



**ski hut
71/72**



photo/Joe Fitschen

SKI HUT INDEX

Altimeter	51
Binoculars	51
Books	45-49
Boots and boot accessories	34-37
Caving	21
Climbing gear	15-21
Compasses	50
Containers—food, water, fuel	39-41
Clothing	25-32
Cookits	41
Crampons	20
Fabrics and findings	10
Food	42-44
Gaiters	34
Groundsheets	6
Hats and headgear	33
Ice axes	21
Instruments	51
Klepper boats	44
Knives	13-14
Lights and lanterns	12
Maps and map accessories	50
Mattresses and pads	6
Pack frames and accessories	52-55
Raingear	32
Rucksacks	52
Saws	12
Ski touring gear	22-24
Sleeping bags	1-5
Snowshoes	24
Socks	34
Stoves and cookers	38
Stuffsacks and duffles	56
Sundries	11
Survival equipment	11
Tents and tent accessories	7-9
Underwear	33
Watch	51

CHEVRON

TRAILWISE CHEVRON BAG. Our finest bag. Designed for expeditionary use, the Chevron has been proven from the Himalayas to Alaska and Antarctica and in all the frozen regions of the world. Nothing was spared in design, construction or materials to make the Chevron the warmest Trailwise sleeping bag. The light, downproof, water-repellent and extremely durable Tenaya nylon shell has a luxurious feel and will give years of service. A 17½" differential cut allows maximum lofting of premium white goose down for an optimum warmth/weight ratio. Six-inch Chevron baffles are spaced at 5" intervals and slanted a full half-tube width for greater thermal efficiency. Bags may be ordered in matching pairs that zip together. 72" double slider nylon zippers on right or left side. Draw cord hood. Colors are blue or orange. Supplied with a waterproof stuffsack.

CHEVRON 3 will fit persons up to 6'2".

SC111/3A	44 oz. fill	total wt. 70 oz.	\$125.00
----------	-------------	------------------	----------

SC111/3B	50 oz. fill	total wt. 76 oz.	\$133.00
----------	-------------	------------------	----------

CHEVRON 5 will fit persons up to 6'5".

SC111/5A	52 oz. fill	total wt. 79 oz.	\$138.00
----------	-------------	------------------	----------

SC111/5B	58 oz. fill	total wt. 85 oz.	\$146.00
----------	-------------	------------------	----------

SLIMLINE



TRAILWISE SLIMLINE BAG. The Slimline, our most popular bag, is designed for the mountaineer or backpacker who must keep weight and bulk to a minimum without sacrificing warmth. The snug, form-fitting Slimline shell minimizes heat loss, resulting in a more efficient, warmer bag. A 10½" differential cut allows maximum lofting of the white goose down, while slanting Chevron baffles sewn at 5" intervals stabilize the down. The standard Slimline is a versatile bag for use under general conditions. The overfill Slimline is intended for higher altitudes and winter temperatures. The shell is made of the finest water-repellent Tenaya nylon. Slimlines may be ordered in matching pairs that zip together. 72" double slider nylon zippers on right or left side. Draw cord hood. Colors are blue and orange. Supplied with a waterproof stuffsack.

SLIMLINE 1 will fit persons up to 5'8".			
SS113/1A	22½ oz. fill	total wt. 43 oz.	\$ 84.00
SS113/1B	26½ oz. fill	total wt. 47 oz.	\$ 89.00
SLIMLINE 3 will fit persons up to 6'.			
SS113/3A	24 oz. fill	total wt. 45 oz.	\$ 87.00
SS113/3B	28 oz. fill	total wt. 49 oz.	\$ 93.00
SLIMLINE 5 will fit persons up to 6'5".			
SS113/5A	26 oz. fill	total wt. 50 oz.	\$ 92.00
SS113/5B	30 oz. fill	total wt. 54 oz.	\$ 97.00

NORRLAND

TRAILWISE NORRLAND BAG. Cut fuller at the shoulder and elbow sections than the Slimline bag. Recommended for those who feel confined by the slimmer mummy style and who are less concerned with the total weight. Shell is light, downproof Tenaya nylon. A 10" differential cut allows full lofting of the white northern goose down. The slanting Chevron baffles sewn at 5" intervals stabilize the down. Norrland bags may be ordered in matching pairs that zip together. 72" double slider nylon zippers on right or left side. Draw cord hood. Colors are blue and orange. Supplied with a waterproof stuffsack.

NORRLAND 2 will fit persons up to 5'10".

SN112/2A 34 oz. fill total wt. 55½ oz. \$101.00

SN112/2B 40 oz. fill total wt. 61½ oz. \$109.00

NORRLAND 4 will fit persons up to 6'2".

SN112/4A 39 oz. fill total wt. 60½ oz. \$110.00

SN112/4B 45 oz. fill total wt. 66½ oz. \$118.00

COMBI

TRAILWISE COMBI BAG. A "semi-rectangular" bag having a 5" taper from head to foot. An excellent bag for general summer use out-of-doors, or in cabins and campers. Full-length 99" nylon zipper extends across foot section so that bag may be opened flat for use as a comforter. 1.9 Ripstop nylon throughout. Dark green outer shell with contrasting bright orange inner shell. Modified slanting Chevron baffles set at 6" intervals. Two Combis zipped together make a large double bag. Filled with grey northern goose down. Will fit persons up to 6'4". Bag is not hooded, but does have drawcord closure. Waterproof stuffsack included.

SC017 32 oz. fill total wt. 64 oz. \$ 86.00





DOUBLE MUMMY

TRAILWISE DOUBLE MUMMY BAG. A luxurious, roomy bag for two people. Shell is blue Tenaya nylon. Slanted Chevron baffles are sewn at 7" intervals. Fill is grey goose down. Individual thermal control is provided by two 70" side zippers with draft flaps and independent drawcord closures. Velcro fastening of center section between hoods permits opening of entire top of bag. Will fit persons up to 6'4". Color is blue. Supplied with waterproof stuffsack.

SD115/A ... 64 oz. fill ... total wt. 104 oz. ... \$168.00
SD115/B ... 72 oz. fill ... total wt. 112 oz. ... \$178.00



TRAILWISE SLEEPING BAG COVER. A departure from the traditional design, our cover is designed for a multitude of uses. Rectangular in shape, it measures 44" x 98". No zipper. Large enough to accommodate any Trailwise bag with room left over for clothing and other gear. Will also double as tarp or groundsheet. Top is green 1.9 Ripstop nylon, bottom is beige waterproof 1.9 Ripstop nylon.

S127 wt. 16½ oz. \$ 13.50

(WILL NOT FIT DOUBLE MUMMY)

TRAILWISE DOWN-FILLED BIVOUAC SAC OR CHILD'S MUMMY BAG. This bag is especially designed for use with a down-filled parka. Used alone, it is an excellent child's bag for the young camper up to 4'2". The fabric is Tenaya nylon with straight slant tube baffles at 6" intervals. It has a 10" differential cut. Fill is grey goose down. No zipper. Modified drawcord hood. Colors are blue or orange. Supplied with a waterproof stuffsack.

SB116 16 oz. fill ... total wt. 29½ oz. ... \$ 55.00

SLEEPING BAG FACTS

THE TRAILWISE SLEEPING BAG

The sleeping bag is one of the most costly and important items the outdoorsman will purchase. It should be selected with the conditions of use well in mind. An arctic bag in warm weather can be as useless as a summer bag in blizzard conditions. Because it is impossible to construct a single bag suitable for all seasons and temperatures, we offer a series of bags designed to cover a range of conditions.

Except for the Combi, all Trailwise bags are of a mummy design. While a mummy is more confining than the rectangular bag, it significantly increases the insulating efficiency while keeping weight to a minimum. To accommodate personal preferences, we offer these bags with varying internal dimensions.

All Trailwise bags are constructed with offset, slant-tube baffles, hot-cut from nylon netting. In the Chevron, Slimline and Norrland, these baffles are sewn into a chevron pattern to provide greater control of down movement and to eliminate cold spots. Tube width has been narrowed to five inches this year to give still greater down control and bag warmth. Differentially cut inner and outer shells permit maximum lofting for greatest down efficiency.

All Trailwise bags (except Footsack) come with a no. 5 nylon double slider zipper which may be opened independently from head or foot for optimum temperature control and ventilation. With the exception of the Combi (which will only zip together with another Combi) all Trailwise zippered bags may be zippered together, even though length and style may vary. When ordering zip-together pairs, specify right and left hand zippers respectively.

Materials used in the construction of Trailwise bags are of the highest quality available. Inner and outer shells are cut from Tenaya Cloth. This unique fabric is durable, lightweight, down-proof, and water-repellent with a soft luxurious feel. The Combi is made from 1.9 Ripstop, another excellent fabric popularly used in sleeping bag construction.

White AAA goose down from Northern Europe is used in the Chevron, Slimline and Norrland bags. While this down is more expensive than the commonly-used grey down, it provides greater loft, insulation and durability.

Each Trailwise bag has been carefully researched to arrive at an optimum weight of down filling. Most bags are offered in a heavy and light fill which we feel offers the practical limits of application. The addition of more down reduces the shell's efficiency and does not provide greater warmth. The Combi and Bivouac sack incorporate simpler shell designs and are available in one fill weight only.

Sleeping bag temperature ratings are relative and should be used only as an index of comparison between bags. The low temperature range of a bag depends on many factors: adequate ground insulation, humidity, wind speed, and most important, the metabolic rate and physical condition of the sleeper. There is considerable individual variation both in the ability of the body to produce heat and to tolerate cold. Thermal underwear, sleeping bag covers, tents, significantly increase the effective temperature ratings given below.

USE AND CARE OF SLEEPING BAGS

Before using your bag, unpack and fluff it, allowing sufficient time for the filling to loft fully. Use a pad or groundsheet under the bag even in dry conditions. Although the shell fabric is water-repellent, moisture will eventually penetrate the bag, and an additional covering is recommended in rain or snow. Dry out the bag as much as possible before stuffing it into the carrying sack. **Dry the bag COMPLETELY before storing for any length of time!** We do not recommend storing the bag stuffed. Store in a dry place, either folded gently or hung.

Washing Instructions: Only wash your bag when it is absolutely necessary. It is actually best to "spot clean" the bag by gently sponging off soiled areas with a non-detergent soap and water ... rinsing thoroughly. If you feel that your bag needs a good cleaning, the steps listed below should be carefully followed:

1. Fill bathtub with enough lukewarm water to cover bag. Add woolite or some other non-detergent soap.
2. Submerge bag and sponge off dirty sections.
3. Drain tub, pushing down on bag with open hands and gently squeezing.
4. Refill tub and repeat step 3 several times until water appears clean. Gently squeeze out all excess water.
5. Carefully pick up bag from underneath and place in a mesh hammock (chaise lounge or whatever) to drip dry for a couple of days. **DO NOT HANG BAG.**
6. Gently pull the clumps of down apart from time to time.
7. After the bag is almost dry, place in **cool** dryer and tumble the bag to its original loft. It is a good idea to check the dryer beforehand to make sure that there are no sharp protrusions or edges that could snag the bag.

Handwashing is the best way to clean any down article. Dry cleaning takes the natural oils out of the down and the article will lose some of its loft. In either case the Ski Hut does not assume any responsibility for a bag that has been cleaned.

NOTE: California law requires that any Trailwise sleeping bag returned for repair must first be cleaned according to washing instructions given on this page.

Comparative Bag Ratings

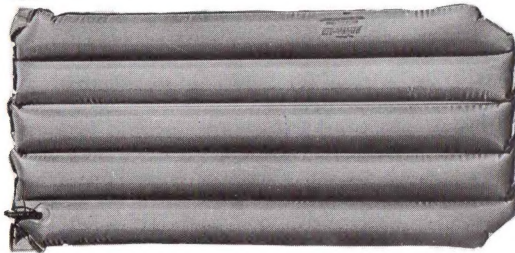
	inside circumference at shoulders and hips*	loft	conservative minimum temperature rating**
Chevron 111/5A	59" - 36"	11"	-20°
Slimline 113/5A	58" - 34"	8"	0°
Norrland 112/4A	60½" - 38½"	9"	5°
Combi	64" - 51"	7"	20°
Double Mummy 115/A	99" - 72"	8"	10°

* Measurements given for larger bags. For smaller bags, subtract 1 to 2 inches.

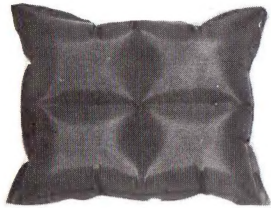
** Figures are derived from tests with many individuals. As such, they represent a conservative average temperature at which discomfort would awaken a person. The temperatures are calculated for standard fill bags. Overfill bags are approximately 10° warmer.



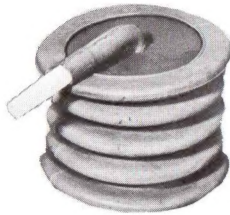
GOOD COMPANION AIR BED. A hip-length air mattress with separately inflating pillow, made by Thomas Black. Main section has four longitudinal tubes. Sturdy rubberized cotton canvas. Size 22" x 45."
S345 wt. 30 oz. \$10.00



STEBCO AIR MATTRESSES. Durable vinyl laminated lightweight nylon. 5 longitudinal tubes. Orange on one side, green on other. Two-year factory guarantee.
S348 .28" x 50" wt. 28 oz. \$11.00
S372 .28" x 72" wt. 40 oz. \$15.00



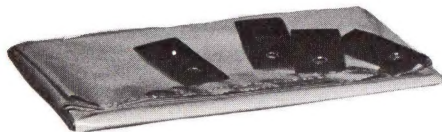
STEBCO AIR CUSHION. Inflatable nylon. Size 13" x 16". Color: green.
S340 wt. 5 oz. \$ 2.00



LI-LO INFLATOR. A small hand pump that will inflate your mattress in minutes.
S701 wt. 7½ oz. \$ 1.75

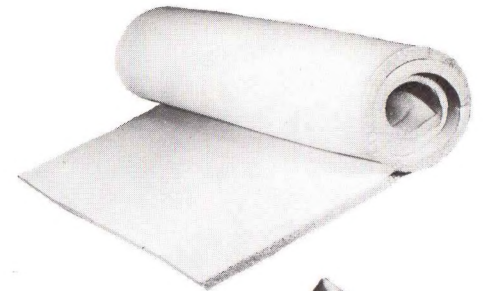


TRAILWISE NYLPORT GROUND-SHEETS. Fine nylon with double waterproof urethane coating; remains supple at low temperatures. Reinforced at points of strain; hemmed edges, grommets at corners and mid-points.
S120/57 5' x 7' wt. 12 oz. \$11.00
S120/79 7' x 9' wt. 24 oz. \$15.00

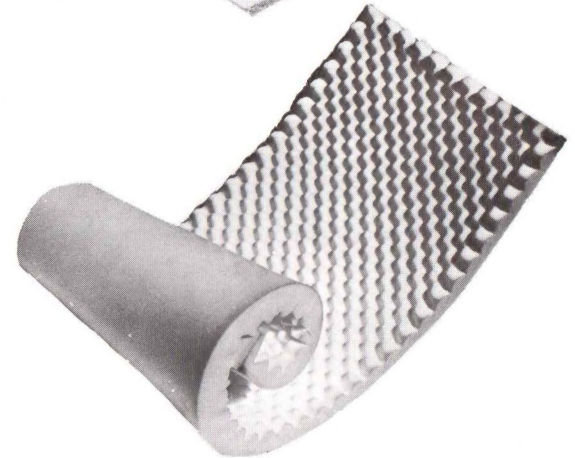


PLASTIC GROUND SHEET. Inexpensive groundsheet of 3-mil waterproof polyethylene plastic. Four self-adhesive grommet tabs included.
S119/58 5' x 8' wt. 12 oz. \$ 1.75
S119/81 8' x 10' wt. 22 oz. \$ 3.00

ENSOLITE SLEEPING PAD. Uni-cellular material will not soak up water like foam rubber. Reasonable comfort with superior insulation from ground cold and dampness. 3/8" x 19" x 42." Rolled size 5"-x 19".
S121 ... ave. wt. 14 oz. ... \$ 4.50



POLYURETHANE SLEEPING MAT. Comfortable all-purpose mat of convoluted polyurethane. Although more bulky than an air mattress, it is equal in comfort, lighter and superior in insulation. 2" overall thickness.
S123/3 ... 21" x 38" ... wt. 16 oz.
 Rolled size 8" x 21" \$ 4.00
S123/6 ... 21" x 76" ... wt. 32 oz.
 Rolled size 13" x 21" \$ 6.95



SLIMLINE PAD. Covered 2" half-length foam pad. Underside is waterproof Nylport. Top is cotton to reduce slipping. Rolls into hood. Size: 21" x 38". Rolled size 9" x 6" x 20".
S122 wt. 20 oz. \$10.00



AUCA HAMMOCK. 7' x 20' nylon net rolls into pocket-sized ball. Metal tie rings.
S151 wt. 8 oz. \$ 7.00





TRAILWISE TWO-MAN MOUNTAIN TENT. An exceptionally rigid, light-weight tent. Made of 1.9 Ripstop nylon; supported at each end by 56½" angle poles set in nylon sleeves. Floor is 56" x 89", height 48". Zippered closures on front panel with zippered nylon mosquito screen. Tunnel door with mosquito net on rear panel. Ventilating tunnel also with mosquito net at peak of rear panel. Complete ventilation with protection from insects. Sewn-in floor of waterproof urethane-coated Ripstop nylon extends 13" up side of tent. Includes poles and pegs, guy lines, shock rings, and stuffsack. Colors: green or orange with beige floor and fly.

TWO-MAN MOUNTAIN TENT COMPLETE WITH POLES, PEGS AND FLY.

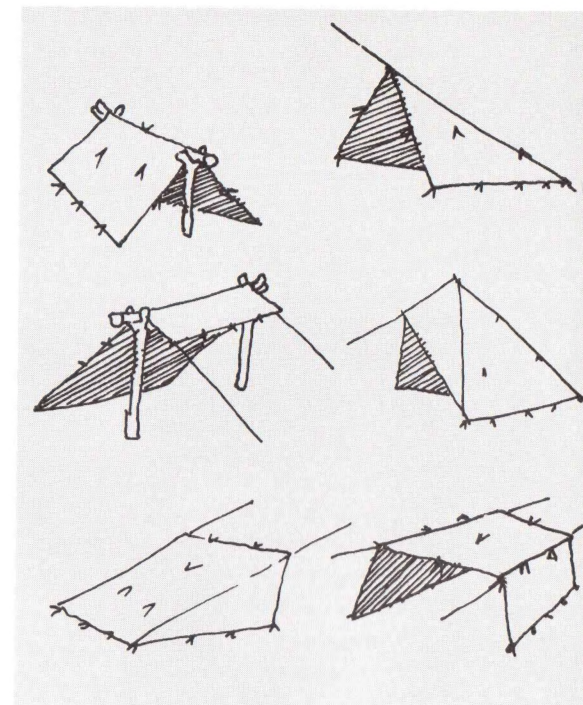
T103/fp wt. 7 lb. 4 oz. **\$135.00**

TENT WITHOUT FLY. (Includes poles, pegs, and guy lines.)

T103 wt. 5 lb. 8 oz. **\$106.00**

FLYSHEET FOR TWO-MAN MOUNTAIN TENT. Beige waterproof Ripstop nylon, with cord.

T103/f wt. 1 lb. 12 oz. **\$ 30.00**

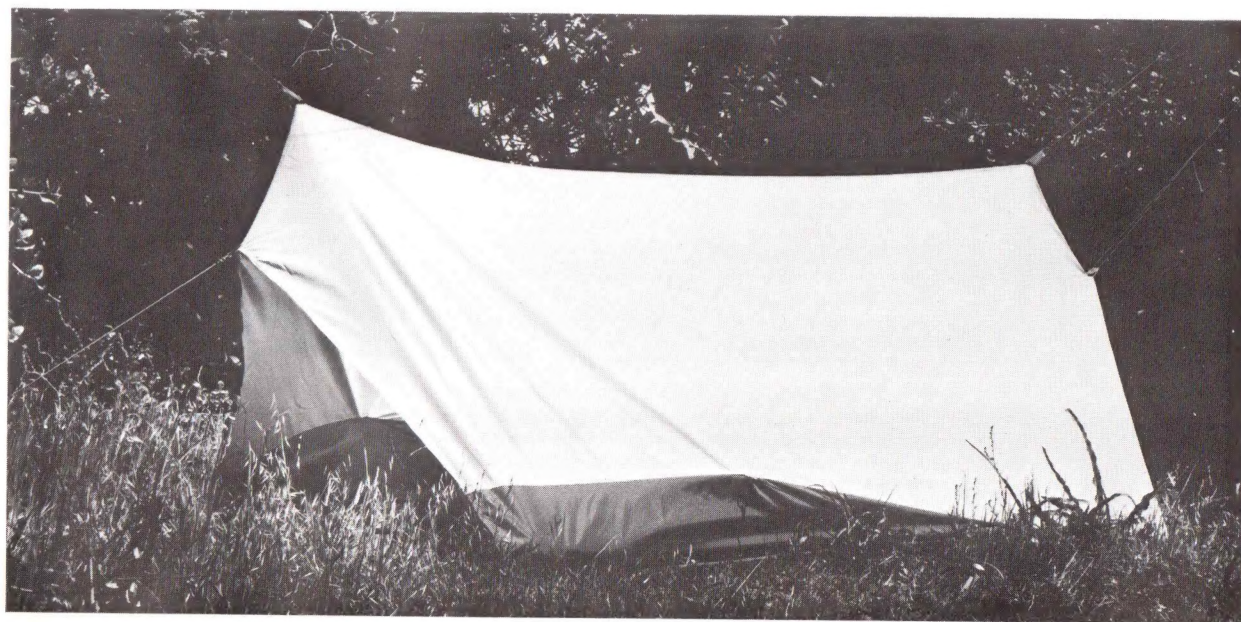


TRAILWISE TARP TENT. A 125" square of coated waterproof 1.9 Ripstop nylon. By using various combinations of the attached tie tapes and "dee" rings, this tarp may be pitched in a variety of configurations, making it among the most adaptable of tents. May also be used as a ground covering or tarpaulin. Comes with stuffsack and 25' of nylon cord. Color: beige.

T108 wt. 43 oz. **\$34.00**

TRAILWISE FABRIC TUBE TENT. A durable, more sophisticated version of the popular plastic tube tent. Urethane-coated fabric throughout with heavier material used for floor. Peg loops and pullouts are bartacked loops of one-inch webbing. Floor is 86" in length and 58" wide tapering to 42" at rear. Height tapers from 42" to 36". Tent is two-toned with colors as available. Comes with stuffsack.

T105 wt. 34 oz. **\$17.00**





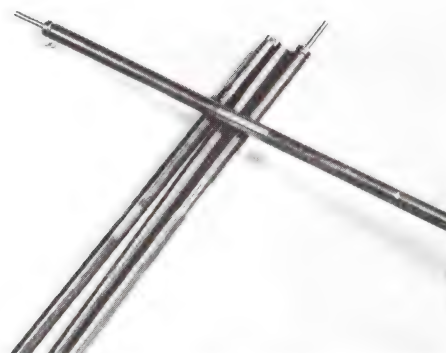
PLASTIC TUBE TENTS. A lightweight and useful emergency shelter made of 9½ feet of polyethylene tubing. Ridge is formed by passing rope through tent. Body and gear anchor floor. Two grommet tabs are included for tying ridgeline taut. Color: orange or green.

ONE MAN SIZE (8' circumference, 3-mil)

T109/1 wt. 19 oz. \$ 2.00

TWO-MAN SIZE (12' circumference, 4-mil)

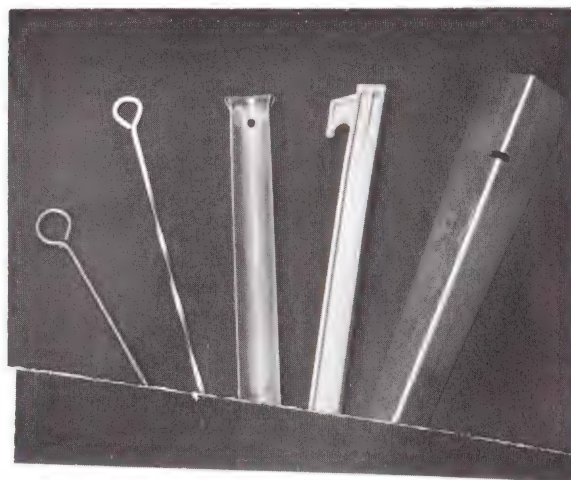
T109/2 wt. 35 oz. \$ 3.00



ANGLE POLES. Two poles in three sections of 5/8" aluminum tubing held together by elastic cord. 6" angle fitting included.

T11056 56½" wt./pr. 13½ oz. \$ 8.00/pr.

T11046 46½" wt./pr. 12 oz. \$ 7.25/pr.



DURALUMIN PEGS. Round pegs. 7" long.

T615 wt. ½ oz. \$.17

TWISTED SKEWER PEG. Light, high tensile steel. 9" long.

T617 wt. 1 oz. \$.10

ALL-PURPOSE PEG. Aluminum half-tube. 8½" long.

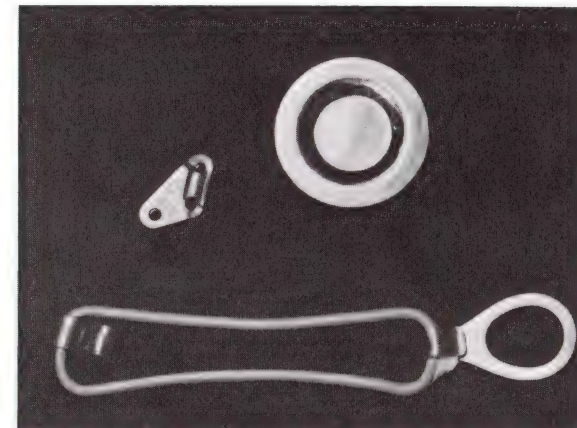
T618 wt. 1¼ oz. \$.47

DURAPEG. Strong plastic I-beam construction. 9" long. Color: bright orange.

T610 wt. 1 oz. \$.31

ANGLE SNOW PEG. Aluminum. 10" long.

T616 wt. 1¼ oz. \$.45



GUY LINE TIGHTENER. A small triangular slider, easily adjustable, which locks tent or tarp lines. 3/16" dia. holes; for parachute cord or similar.

T201 wt. ¼ oz. \$.07

POLE BEARING PLATE. Aluminum. For poles up to 1" in diameter.

T215 wt. ½ oz. \$.10

CORD TENSION ADJUSTER. An elastic link from peg to guy line. Absorbs wind shock on tent walls.

T114 wt. ½ oz. \$.50

VISQUEEN CLAMPS. For attaching lines to plastic tarps. Rubber ball fits in metal wire frame. Package of 8.

N207 wt. ¼ oz. \$ 1.35

GROMMET TABS. Grommets set in adhesive-backed plastic tabs readily attach to plastic sheeting. Package of 8.

N206 \$ 1.00

GROMMET SETTING KITS. Complete equipment for setting grommets, including setting die, heavy-duty hole punch, cutting board, 48 grommets, and instructions. Will not set N31 grommets.

..... Size 0 — 1/4" hole \$ 5.50

..... Size 1 — 5/16" hole \$ 5.60

SETTING DIES FOR GROMMETS

N320 Size 0 — 1/4" hole \$ 7.00

N321 Size 1 — 5/16" hole \$ 7.30

HOLE PUNCHES.

N370 \$ 7.30

GROMMETS WITH WASHERS. Plain grommets are lightweight brass, suitable for most purposes. Spur grommets are heavier, have gripping teeth, can be set in webbing and heavy materials.

Plain Grommets — Size 0 or 1

N350 Box of 144 \$ 1.50

Spur Grommets — Size 0 or 1

N351 Box of 144 \$ 4.50

10 FABRICS

Cat. No.	Fabric	Wt. oz. per sq. yd.	Finish	Width (inches)	Thread Count per inch	Tear Test in lbs. (ave.)	Colors	Uses	Price per lin. yd.
N113	Tenaya Nylon	1.6	downproof	42/43	146x128	5.5	blue, orange	sleeping bags, down clothing	\$2.20
N112	Supernyl Nylon	2.5	downproof	44/45	160x92	7.0	whiskey, royal blue, emerald, chianti, brick	sleeping bags, garments	\$1.60
N107	Urethane Nylon Duck	7.8	urethane coated waterproof	42/43	60x45	56.0	brown, blue	packs, duffles, stuffsacks	\$3.50
N104	Nylport Nylon	2.35	urethane coated waterproof	44/45	104x88	2.3	blue	raingear, tent floors ponchos	\$2.00
N119	Ripstop Nylon	1.9	downproof water repellent	44/45	112x100	8.0	green, orange	sleeping bags, garments, tents	\$2.00
N120	Coated Ripstop Nylon	2.3	urethane coated waterproof	44/45	112x100	6.0	beige	tent flies, tarps	\$2.20
N127	Nylon Netting	.9	---	45	50x50	---	grey	mosquito doors, sleeping bag baffling	\$1.05
N130	60-40 Cloth—38% nylon (warp), 62% cotton (weft)	4.0	water repellent downproof	45	110x80	12.0 (warp) 5.0 (weft)	blue, orange	garments	\$2.75

ZIPPERS - NO. 5 NYLON CHAIN.

Single Slider, Single Pull. Closed both ends (pocket).	
9", 12", 17"	\$ 1.00
Double Slider, Single Pull. Separating (garment).	
28", 31", 32", 35"	\$ 2.00
Double Slider, Double Pull. Separating (sleeping bag).	
70", 72", 99"	\$ 2.75

NYLON WEBBING.

Heavy Weight.	
HN012 1/2" black	ft. \$.10
HN100 1" blue or gold	ft. \$.12
HN112 1 1/2" grey	ft. \$.16
Medium Weight.	
MN100 1" grey	ft. \$.08

NORTHERN GOOSE DOWN. The perfect insulator for sleeping bags, parkas, etc. Packed in plastic bags.

White Goose Down	\$11.00
NG108 1 lb.	\$21.25
NG116 1 lb.	\$19.00
Grey Goose Down	
NG008 1/2 lb.	
NG016 1/2 lb.	

REPAIR TAPE. 25' of 2" wide Ripstop material with adhesive backing. Quick repair for rips. Colors: red, blue, green.

N100	\$ 3.00
------	---------

VELCRO TAPE. 3/4" hook-and-pile tape, used for closures on pockets, cuffs, flaps, etc. Strong and long lasting. Colors: beige, grey, orange, blue, green.

NV304	per foot \$.60
-------	-----------------

ENSOLITE. A unicellular foam material noted for insulating efficiency and shock absorbing quality. Will not soak up water. Used for padding under sleeping bags, shoulder pads, insulation, etc.

Full Sheets 42" x 56"	
NE118 1/8"	\$ 4.75
NE125 1/4"	\$ 9.00
NE138 3/8"	\$12.50
Half Sheets 42" x 28"	
NE018 1/8"	\$ 2.50
NE025 1/4"	\$ 4.80
NE038 3/8"	\$ 6.50

POLYETHYLENE SHEET. per yard \$.75 for tarp.

SEAM SEALANT. A clear liquid for waterproofing seams. Bonds well to most fabrics including vinyl and polyurethane. Brush on; quick drying. 4 oz. can.

N901	\$ 1.60
------	---------

RAINDRI. Water and stain repellent. A silicone formula for treatment of clothing, upholstery, canvas, and leather. 16 oz. spray can.

N905	\$ 2.00
------	---------

COMBINATION EYELET AND SNAP TOOL KIT. Plier tool, with interchangeable parts for setting eyelets and snaps. Snaps and eyelets included.

N304	\$ 1.79
N306 100 eyelets	\$.30
N307 16 snaps	\$.69

DOT RIVETS. Strong, all-purpose 2-piece rivets. Set with hammer.

N411 box of 100	\$ 2.75
-----------------------	---------

BAG SNAPS. Steel clip. Nickel finish.

N420 1/2"	ea. \$.17
N421 1"	ea. \$.18

SLIDE FASTENERS.

N415 1"	ea. \$.05
---------------	------------

DEE RINGS. Dimensions as shown.

BUCKLE. Quick-release buckle for 1/2" webbing.

N417	\$.25
------	--------

SPEEDY STITCHER SET. For sewing any heavy material, including leather, with lock stitch. Set contains sewing awl with bobbin and thread and three needles.

N201 wt. 3 1/2 oz.	\$ 1.75
--------------------------	---------

DELUXE SPEEDY STITCHER SET. Includes, in addition to the set described above, 180 yards of thread and 3 more needles.

N202 wt. 7 oz.	\$ 3.25
----------------------	---------

SPEEDY STITCHER THREAD. 30 yards.

N203 Fine	\$.30
N204 Heavy	\$.40

SPEEDY STITCHER NEEDLES

N205/l Light	\$.20
N205/h Heavy	\$.20
N205/hc Heavy Curved	\$.20

DRAWSTRING CLAMP. Spring loaded plastic clamp that will hold drawstrings up to parachute cord size on parkas, hoods, packs, etc.

R901 wt. ¼ oz. \$.35

BELT HOOK. Sturdy nylon strap with swivel snap hook for attaching cups, canteens, etc.

A122 wt. 1 oz. \$.60

PLASTIC WHISTLE. A must for safety in the mountains. Color: white.

E503 wt. ½ oz. \$.30

PLASTIC SOAP DISH. Hinged lid with catch. Holds 1 bar of soap. 4" x 2¼" x 1½".

G204 wt. 1¼ oz. \$.25

PLASTIC WASH BASIN. Heavy gauge Vinylite. 10" dia., 4½" height.

U660 wt. 3½ oz. \$ 1.10

PLASTIC WATER BUCKET. Vinylite with handle. 7½" dia., 7½" height.

U661 wt. 3½ oz. \$ 1.10

UTILITY POUCHES. Flat clear waterproof plastic envelopes with slide closures.

G206/811 . . . 8" x 11" . . . \$.45

G206/913 . . . 9½" x 13" . . . \$.60

G206/1216 . . 12" x 16" . . . \$.70

METAL MIRROR. 3" x 4". Has hole for hanging.

G201 wt. 2½ oz. \$.35

TOOTHBRUSH. 2-piece brush. Hollow handle serves as carrying case. Packed length 3½". Comes in kit with toothpaste.

G202 wt. ½ oz. \$ 1.00

ALPINE CANE. Imported from Germany. A good companion on mountain trails. Strong lightweight Weichsel wood. End is fitted with metal ferrule and spike. Average length 36".

MA211 wt. 8 oz. \$ 4.00

NYLON CORD. 1/8" cord; 550 lb. test.

C050 . . 50' hank . 3 oz. . . \$ 1.00

C100 . 100' hank . 6 oz. . . \$ 2.00

MOSQUITO HEADNET. Brand new French army surplus. Color: O.D.

G114 wt. 3¼ oz. \$.85

CUTTER'S SNAKEBITE KIT. An essential item for the outdoorsman. Consists of three suction cups, vial of antiseptic, lymph constrictor, and knife blade. 1" x 3".

E509 wt. 1 oz. \$ 3.00

WATER PURIFICATION TABLETS. Kills most germs and bacteria within 30 minutes. One small bottle contains 100 halazone tablets.

G113 wt. 1½ oz. \$ 1.00

6-12 STICK REPELLENT. One application gives 6 to 8 hours protection against insects.

G112 wt. 1½ oz. \$ 1.05

OFF REPELLENT. A clear liquid that repels mosquitos, gnats, etc. One application lasts hours. 1½ oz. bottle.

G110 wt. 4 oz. \$.80

CUTTER'S INSECT REPELLENT. Highly concentrated formula. Expensive but good. A little goes a long way. Plastic squeeze bottle.

G111 wt. 1½ oz. \$ 1.50

SKREEN. A high altitude cream used by the conquerors of Mt. Everest. Prevents burning, permits tanning.

G104 wt. 1¼ oz. \$ 1.50

GLACIER CREAMS.

Red Tube. Prevents burning and tanning at high altitudes. 1 oz. tube.

G101 wt. 1 oz. \$.75

Green Tube. Prevents burning, allows tanning. 1 oz. tube.

G102 wt. 1 oz. \$.70

LUBRIDERM LOTION. Recommended for chapping, windburn, relief of sunburn. 4 oz. plastic bottle.

G105 wt. 5 oz. \$ 1.35

SUNDARE. A clear lotion to prevent burning while promoting a tan. Not oily or sticky. 4 oz. plastic bottle.

G103 wt. 5 oz. \$ 1.95

A-FIL SUN STICK. For lips that are sensitive to sun and wind. Prevents chapping.

G108 wt. 1 oz. \$ 1.10

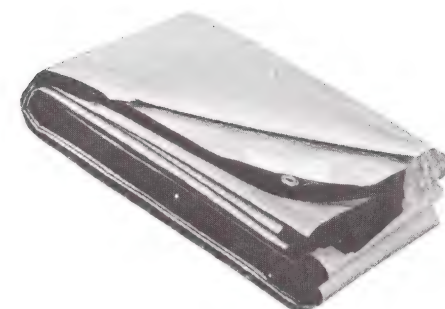
GLASS GARD. Adjustable elastic band keeps glasses safely in place. Fastens simply and securely to your glass frames.

E510 wt. ¼ oz. \$ 1.00



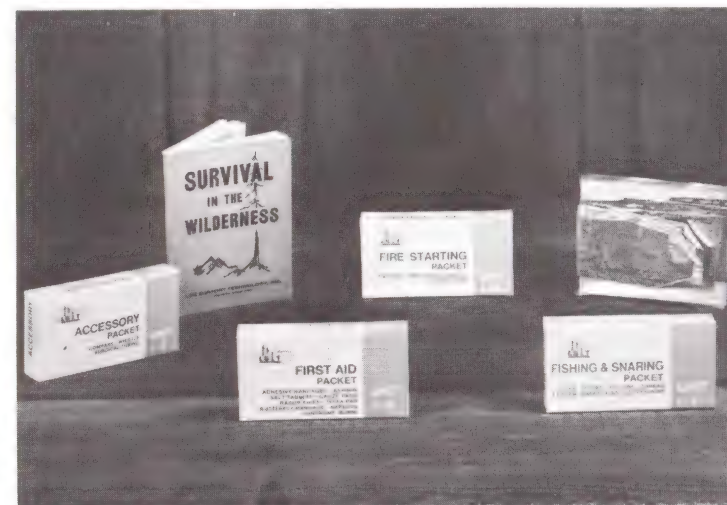
SPACE RESCUE BLANKET. Full-size (56" x 84") ultra-lightweight expendable emergency blanket based on a super-insulation material proven in space missions. Reflects up to 90% of a person's body heat back to him while keeping out rain, wind, and snow. Remains flexible at temperatures as low as 60 degrees below zero. Folds to a tiny 1½" x 2" x 4" and weighs only 2 ounces. Recommended for inclusion in any survival kit.

E702 wt. 2 oz. \$ 3.00



SPACE SPORTSMAN'S BLANKET. 56" x 84" blanket reflects up to 80% of the body's warmth, yet folds to only 5½" x 8" and weighs a mere 11 ounces. Waterproof and windproof, it will never crack, rot, or mildew, and remains flexible at 60 degrees below zero. Pound for pound it is ten times warmer than wool; and with bound edges and grommated corners, this versatile blanket may be used as a groundsheet, wind-break, tarpaulin, etc.

E701 wt. 11 oz. \$ 8.00



WILDERNESS SURVIVAL KIT. An excellent, compact, basic survival kit. Contains: First Aid unit, firestarting unit, fishing and snaring unit, compass, whistle, surgical tubing, aluminum foil, plastic bags, mirror, Survival Manual. Size: 2" x 4" x 4½".

E901 wt. 10 oz. \$ 7.00



FRENCH CANDLE LANTERN. Cylindrical aluminum lantern, 2" x 4½" when collapsed. Opens to 11½" long. Shielded glass chimney; spring mechanism keeps candle at uniform burning height. Safe and efficient.

E209 wt. 3¾ oz. \$ 5.00

FOLDING CANDLE LANTERN. A light and compact tin lantern. Mica windows on three sides and hinged door on rear. Large reflector. Folds flat into a compact 5/8" x 2" x 6". Size when open 3" x 3" x 6". Properly vented.

E210 wt. 4 oz. \$ 3.00

STEARENE CANDLES. For use with candle lanterns. Burning time over 3 hours.

E211 wt. 2 oz. each \$.07
1 dozen \$.80

BLEUËT LANTERN. Uses same butane cartridge as Bleuët stove. Economical and simple; just turn valve and light. Burns 4½-5 hours at full-on position. Frosted glass globe for bright glare-free light. Height 12". Supplied with one cartridge.

E216 wt. w/1 cart. 37 oz. \$13.50

BUTANE CARTRIDGES.

U711 wt. 10 oz. each \$.95
U712 wt. 3¼ lbs. Box of six \$ 5.25

BLEUËT MANTLES.

E217 \$.40

FROSTED GLASS CHIMNEY. For Bleuët lanterns.

E218 \$ 1.75

MALLORY FLASHLIGHT. Compact flashlight that throws 250-foot beam. Molded plastic case. Comes with 2 AA manganese batteries. Case is 4" long.

E105 wt. w/batt. 3½ oz. \$ 1.98

E105/B Bulb for Mallory Flashlight \$.20

JUSTRITE HEAD LAMP. Rugged 5½" x 3" x 1½" steel case fits in pocket or clips on belt. Lamp and switch enclosed in lightweight, padded head piece which leaves both hands free. Uses 4 size "D" batteries. 1500-foot beam.

E101 wt. 16 oz. \$ 7.00

ALKALINE BATTERIES. Five to ten times the life of an ordinary battery.

E121 "AA" size \$.65

E124 "D" size \$ 1.00



WIRE SAW. A fine survival kit item. Hardened steel; rugged, lightweight, compact, and inexpensive, this unique little saw fills a variety of needs. A bow may be cut of green wood and fitted to the end rings, making an efficient bucksaw.

J522 wt. ½ oz. \$ 1.10



SWEDISH FOLDING SAW. Fast-cutting 11" blade folds safely into rugged plastic handle and locks open for use.

J500 wt. 9 oz. \$ 5.00



SVEN SAW. Rugged folding bucksaw with tempered Swedish steel blade and frame of lightweight anodized aluminum. Single wing nut locks saw open or closed. 20" blade is completely and safely enclosed when saw is folded. Carrying size 23" x 1½" x ½".

J521 wt. 16 oz. \$ 8.00

J521/b Extra blades with stud wt. 16 oz. \$ 2.00



BUCK KNIVES. Each Buck Knife is entirely handmade and fully guaranteed for the lifetime of the purchaser. They are further guaranteed to hold an edge better than any other knife known today.

Buck knives are supplied with a non-reflective black sheath of tough cowhide with a snap fastened safety flap.

FOLDING HUNTER. 4" blade pivots on $\frac{1}{4}$ " bearing and has positive lock in open position. Handle is golden-grain Macassar ebony wood with solid brass bolsters and liner cast in one piece. May be carried in pocket or sheath. An ideal heavy-duty outdoor knife for those preferring a folding blade. Overall length when closed is 5".

J110 wt. 8 oz. \$16.00

SPECIAL. A heavy-duty Bowie-styled knife with 6" blade. Beautifully balanced and shaped.

J119 wt. 12 oz. \$20.00

FISHERMAN. 5 $\frac{1}{4}$ " slightly curved flexible blade makes this an excellent filleting knife.

J121 wt. 6 oz. \$14.00

PATHFINDER. Heavy-duty 5" blade curves upward at tip for skinning. An excellent general use hunting and fishing knife.

J105 wt. 7 oz. \$16.00

PERSONAL. Mr. Buck's original design has never required alteration. 4 $\frac{1}{2}$ " blade combines upswept point of skinner with slender blade of small game knife.

J118 wt. 6 $\frac{1}{2}$ oz. \$14.00

WOODSMAN. 4" straight blade with fine point for cleaning fish or dressing out small game as well as general camp use.

J102 wt. 6 oz. \$13.00

CAPER. The smallest of the Buck line. 3 $\frac{1}{2}$ " blade makes this ideal for more precision uses; cleaning and dressing pan fish, small game, and birds.

J116 wt. 5 $\frac{1}{2}$ oz. \$14.00

SKINNER. Broad 4" blade. A special purpose knife for skinning.

J103 wt. 8 $\frac{1}{2}$ oz. \$18.00



BUCK POCKET KNIVES

STOCKMAN. Three blades of Buck quality steel in a precision tool to fit the pocket. Brass liners; non-slip grips. Longest blade 3". Overall length closed 4".

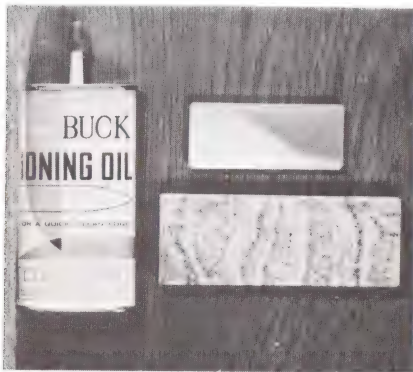
J120 wt. 3 oz. \$13.00

CADET. A 3/4-scale version of the Stockman pocket knife. Longest blade is 2 1/2". Overall length closed 3 1/4".

J123 wt. 1 1/4 oz. \$12.00

LANCER. The smallest and newest Buck pocket knife. Two blades. Longest blade is 2". Overall length closed 2-5/8".

J125 wt. 1/2 oz. \$ 7.00



BUCK HONING KIT. Everything you need to keep your Buck knives shaving sharp. Washita stone for fast sharpening. Honing Oil promotes abrasive action of stone and speeds up sharpening. Arkansas finish stone for that final razor edge. Packed in plastic case.

J133 wt. 13 oz. .. \$ 4.75

J130 Arkansas Stone .. wt. 1 oz. .. \$ 2.50

J131 Washita Stone .. wt. 4 oz. .. \$ 1.75

J132 Honing Oil wt. 4 oz. .. \$.80



RUSSELL BELT KNIFE. This unusual knife has received many design awards for beauty and function. Handcrafted in Nova Scotia. Blade is of high carbon Swedish steel. Holds a keen cutting edge. Rosewood handle is secured by three brass rivets. Molded cowhide scabbard. 4" blade.

J150 wt. 6 oz. \$16.00

SWISS ARMY KNIFE NO. 730. Blade — Nail File — Can Opener — Cap Lifter — Corkscrew — Regular Screwdriver — Awl — Tweezers — Toothpick — Lanyard Ring.

J730 wt. 2 1/2 oz. \$ 8.00



SWISS ARMY KNIFE NO. 532. Blade — Nail File — Scissors — Corkscrew — Tweezers — Toothpick — Lanyard Ring.

J532 wt. 2 oz. \$ 9.00

SWISS ARMY KNIFE NO. 727. Blade — Nail File — Scissors — Can Opener — Hook Disgorger — Awl — Phillips and Regular Screwdrivers — Tweezers — Toothpick — Lanyard Ring.

J727 wt. 3 oz. \$13.00



NO PHOTO AVAILABLE

SWISS ARMY KNIFE NO. 16935. Blade — Nail File — Magnifier — Screwdrivers — Can Opener — Cap Lifter — Reamer — Phillips Screwdriver — File — Scissors — Saw — Metal File — Fish Scaler w/Hook Disgorger — Tweezers — Toothpick — Lanyard Ring.

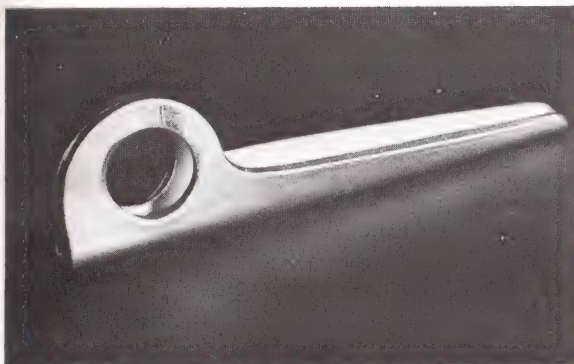
J16395 wt. 4 3/4 oz. \$21.00

EXECUTIVE SWISS ARMY KNIFE. Diminutive size (2 1/4" long) conceals a variety of useful functions: Pen Blade, Nail File and Scissors.

J782 wt. 1/2 oz. \$ 5.30



CHOUINARD PITONS



WEDGE ANGLES

HY102	1/2"	2 oz.	\$ 1.00
HY158	5/8"	2 oz.	\$ 1.00



REGULAR ANGLES

HY034	3/4"	3 oz.	\$ 1.00
HY010	1"	4 oz.	\$ 1.15
HY014	1 1/4"	4 1/2 oz.	\$ 1.35
HY015	1 1/2"	5 oz.	\$ 1.65



KNIFE BLADES

HY004	Standard	1 1/4 oz.	\$ 1.25
HY005	Thick	2 oz.	\$ 1.25



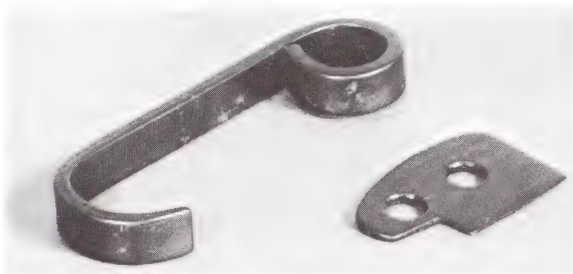
LOST ARROW HORIZONTALS

HY401	Short Thin	2 oz.	\$ 2.25
HY402	Short Medium	2 1/4 oz.	\$ 2.25
HY403	Short Thick	2 1/2 oz.	\$ 2.25
HY404	Long Thin	2 3/4 oz.	\$ 2.25
HY405	Long Medium	3 oz.	\$ 2.25
HY406	Long Thick	3 1/4 oz.	\$ 2.25
HY407	Wedge	3 1/2 oz.	\$ 2.25
HY408	X-Long Thick	4 oz.	\$ 2.25



BUGABOO PITONS

HY002	Short	1 1/2 oz.	\$ 1.50
HY003	Long	3 oz.	\$ 1.50



CLIFFHANGER

HY009	2 oz.	\$ 1.65
-------	-------	---------

RURP

HY000	3/4 oz.	\$ 1.00
-------	---------	---------

CLIMBING GEAR 15



ALUMINUM BONGS

HY610	2"	4 oz.	\$ 2.50
HY611	2 1/2"	6 oz.	\$ 2.70
HY612	3"	8 oz.	\$ 3.00
HY613	4"	10 oz.	\$ 3.25

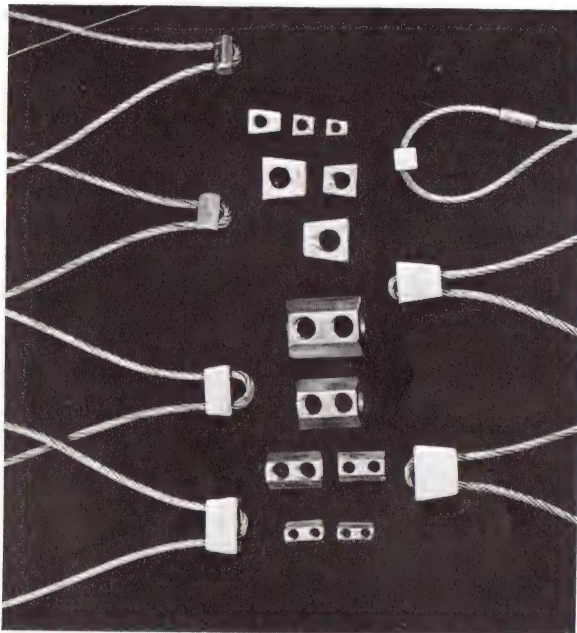


STEEL BONGS

HY510	2"	7 1/2 oz.	\$ 2.00
HY511	2 1/2"	9 1/2 oz.	\$ 2.40
HY512	3"	11 1/2 oz.	\$ 2.60
HY513	4"	13 1/2 oz.	\$ 2.80

16 CLIMBING GEAR

CLIMBING NUTS. Precision-machined artificial chockstones are a worthwhile complement to any piton selection. They are far lighter than pitons, being formed of high-strength aluminum, and they are easier to place and remove. Because of their method of placement, climbing nuts do not aggravate expanding flakes, and they work in cracks too shallow for proper piton placement.



CLOGWYN CLIMBING NUTS. Artificial chocks. Hexs and wedges.

HEXAGONAL CHOCKS.

HCH-1	\$.50
HCH-2	\$.60
HCH-3	\$.65
HCH-4	\$.75
HCH-5	\$ 1.25
HCH-6	\$ 1.50

HEXAGONALS WITH WIRE SLING

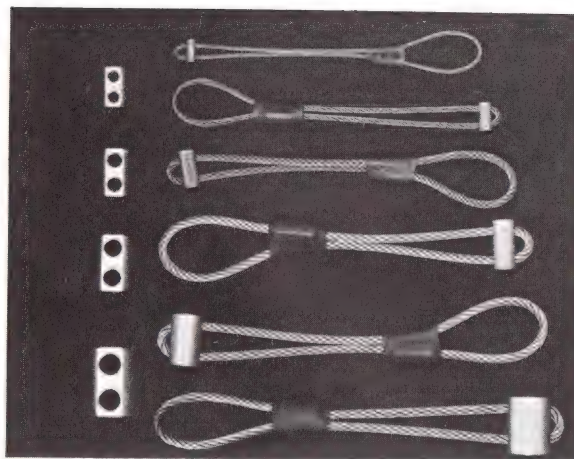
HCH/W-0	\$ 1.75
HCH/W-1	\$ 1.75
HCH/W-2	\$ 1.75
HCH/W-3	\$ 1.75
HCH/W-4	\$ 1.75

WEDGE CHOCKS

HCW-2	\$.60
HCW-3	\$.60
HCW-4	\$.60
HCW-5	\$.60
HCW-6	\$.75

WEDGES WITH WIRE SLING

HCW/W-1	\$ 1.75
HCW/W-2	\$ 1.75
HCW/W-3	\$ 1.75
HCW/W-4	\$ 1.75



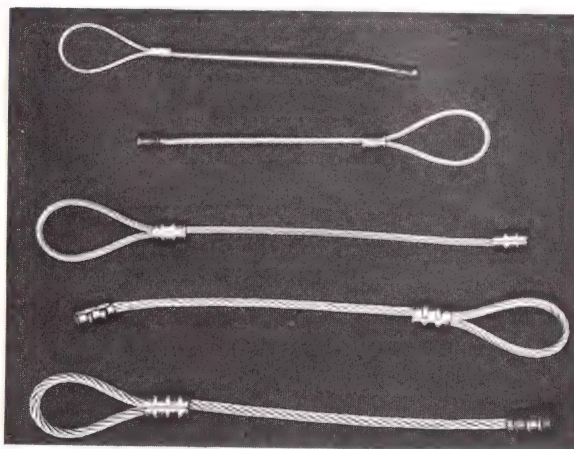
PECKS CRACKERS. Artificial chockstones with circular cross-section. Knurled for better grip.

PLAIN CRACKERS.

HPC 8	\$.90
HPC 10	\$.90
HPC 13	\$ 1.00
HPC 16	\$ 1.25

CABLED CRACKERS.

HPC4	\$ 2.10
HPC5	\$ 2.10
HPC 7	\$ 2.10
HPC 9	\$ 2.10
HPC 12	\$ 2.10
HPC 15	\$ 2.10



COPPERHEAD NUTS. Copper jam-nuts with wire slings.

HF101 (no. 1)	\$ 1.50
HF102 (no. 2)	\$ 1.50
HF103 (no. 3)	\$ 1.50
HF104 (no. 4)	\$ 1.50
HF105 (no. 5)	\$ 2.25



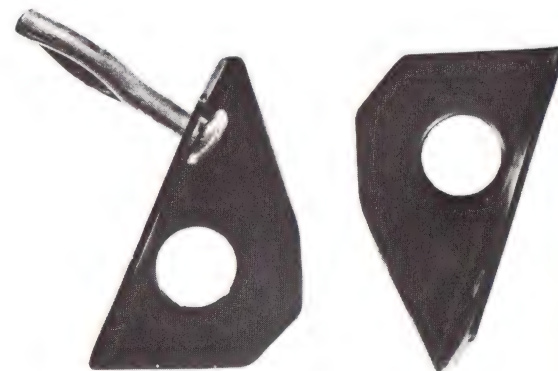
LEEPER "Z" SECTION PITONS.

REGULAR LENGTH.

HL AA	1/4"	wt. 2 oz.	\$ 1.05
HL A	5/16"	wt. 2 oz.	\$ 1.05
HL B	7/16"	wt. 3 oz.	\$ 1.05
HL C	9/16"	wt. 4 1/2 oz.	\$ 1.25

STUBBY LENGTH.

HL AS	5/16"	wt. 2 1/2 oz.	\$ 1.05
HL BS	7/16"	wt. 2 1/2 oz.	\$ 1.05
HL CS	9/16"	wt. 3 oz.	\$ 1.25

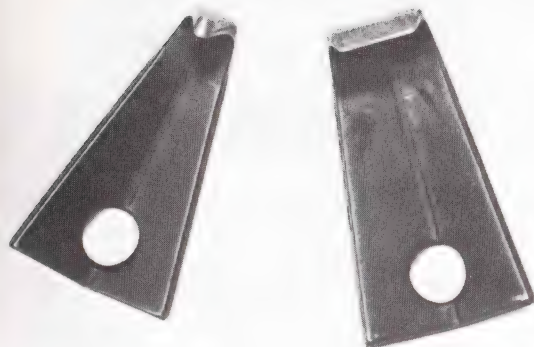


LEEPER CARABINER HANGER WITH COMPRESSION BOLT. Chrome-moly steel. 1/4" rawl bolt. 1 1/2" long.

H910	wt. 1 1/2 oz.	\$.55
------	---------------	--------

LEEPER CARABINER HANGER. Chrome-moly steel. Specify 1/4" or 3/8" bolt size.

HL914	1/4"	wt. 7/8 oz.	\$.35
HL938	3/8"	wt. 7/8 oz.	\$.35



LOGAN CLIFF HANGER. Three point contact with rock for stability. Will stay on hold and not rotate off. Use with ½" tubular webbing.

HL401 (Narrow) \$ 1.00
HL402 (Wide) \$ 1.00



BOLT EQUIPMENT

HOLDER FOR 1/4" AND 3/8" DRILLS.

HN100 wt. 8 oz. \$ 2.50

DRILLS: Two-flute for faster drilling.

1/4" size for Rawl bolts

HN214 \$ 1.60

1/4" size for Star Dryvins

HN414 \$ 1.75

3/8" size for Rawl or Star Dryvins

HN238 \$ 2.20

BOLTS: Rawl type:

HN514 1/4" stud x 1½" \$.20

HN614 1/4" stud x 2" \$.25

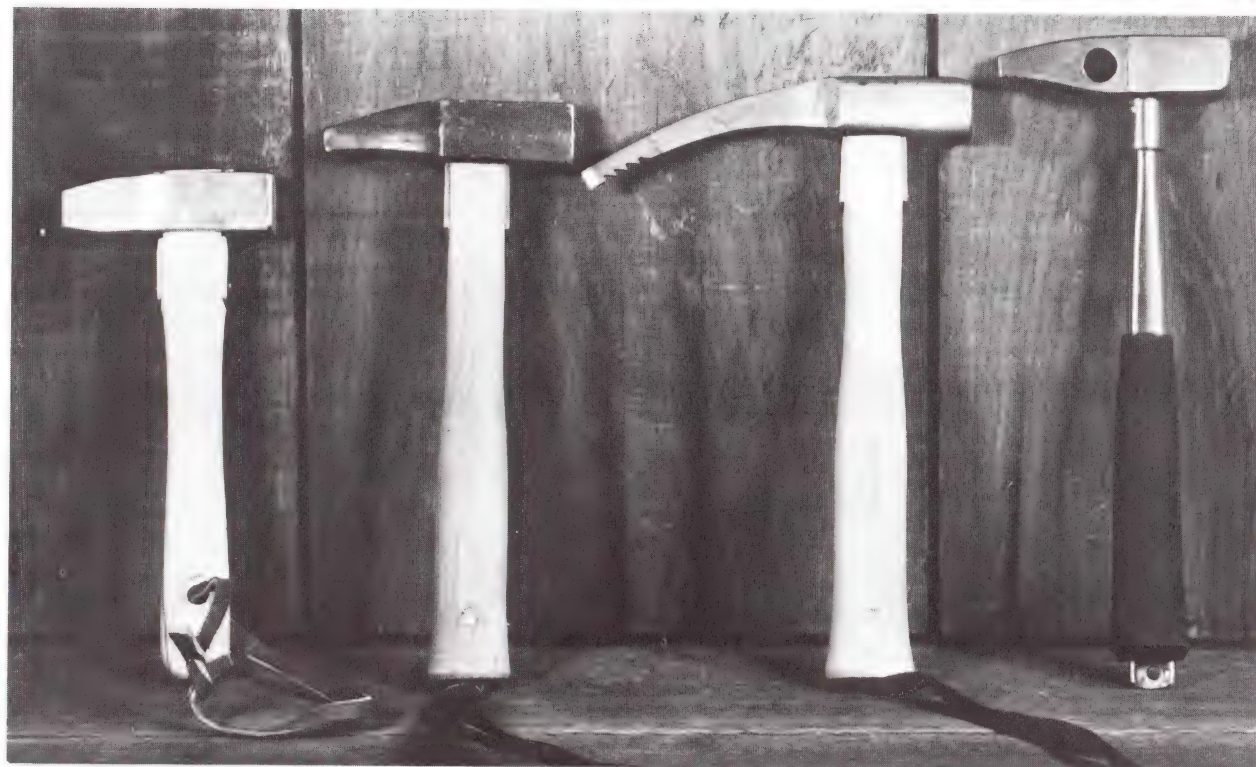
HN638 3/8" stud x 2½" \$.35

Star Dryvin type:

HN714 1/4" x 1" \$.13

HN838 3/8" x 1½" \$.22

HN938 3/8" x 2" \$.31



PITON HAMMER MODEL "C". German made. Chisel head is anchored with iron straps. Ash handle with leather thong.
HH101 wt. 20 oz. \$ 5.00

CHOUINARD YOSEMITE HAMMER. Perfectly balanced 18 oz. head is mounted on a handle of American hickory. Blunt pick serves dual purpose: to pound pitons in tight places and to pry when necessary. Each hammer comes with a permanently attached shoulder sling.

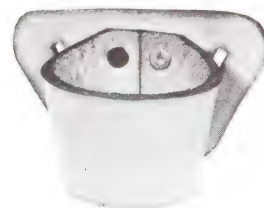
HH202 wt. 24 oz. \$14.00

CHOUINARD ALPINE HAMMER. Long, narrow, drooped pick with serrations at tip for use as an ice dagger on hard ice. Also good for cleaning ice out of cracks and chopping steps at close quarters.

HH201 wt. 22 oz. \$16.00

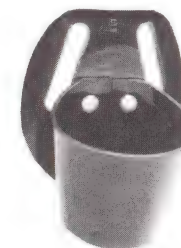
CMI HAMMER. Perfectly balanced. Head is made of tempered tool steel. Shaft is thick-walled aircraft tubing. Shock-absorbing rubber grip with cord tie-on. Serrations on pick for extracting pitons. Carabiner hole. Each hammer is serial numbered and guaranteed for one year. Length 12-3/8"

HH300 wt. 25 oz. \$16.00



LEATHER HAMMER HOLSTER. Riveted construction. Slits for belt. Holster mounts close to belt so it will not twist when pulling hammer out.

HH110 wt. 1½ oz. \$ 1.65

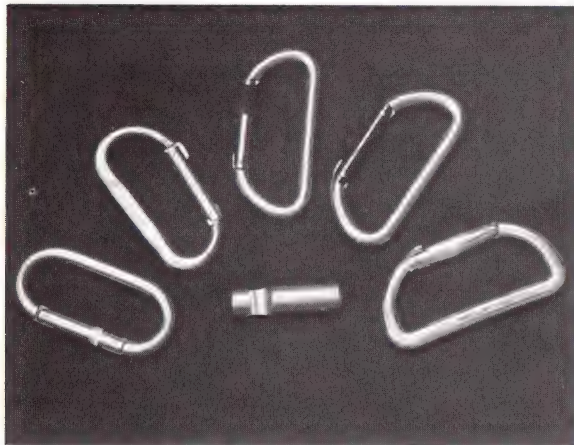


DOLT HAMMER HOLSTER. Tough but flexible nylon holster. Unlike leather, this material will not soften with age. Riveted construction.

HH112/W wt. 1 oz. \$ 3.50

HH112/B Heavy-duty wt. 1½ oz. \$ 4.00

18 CLIMBING GEAR



OVAL CARABINER. Aluminum alloy. Notched gate. Tests about 2700 lbs.

HK102 wt. 2 oz. \$ 2.25

CHOUINARD CARABINER. Aluminum alloy. Tests about 4500 lbs.

HK100 2-1/3 oz. \$ 3.50

BONAITI LOCKING CARABINER. Aluminum alloy. Tests at 5000 lbs.

HK216 2-4/5 oz. \$ 3.50

BONAITI CARABINER. Aluminum alloy. Tests about 4800 lbs.

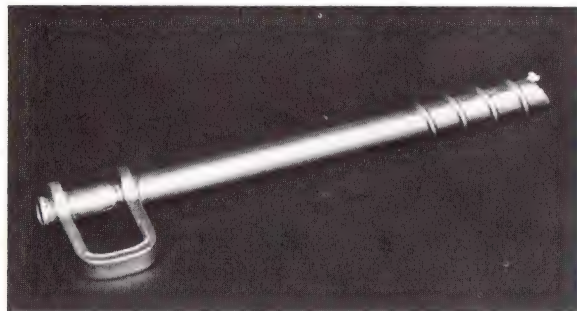
HK215 2 3/4 oz. \$ 3.00

RD CARABINER. Aluminum alloy. Barrel-shaped gate, convex tension bar. Tests about 6380 lbs.

HK105 wt. 3 oz. \$ 3.75

ALUMINUM BRAKE BAR. For friction braking on rappels. Machined to fit oval carabiner.

HK300 1 1/4 oz. \$ 1.25

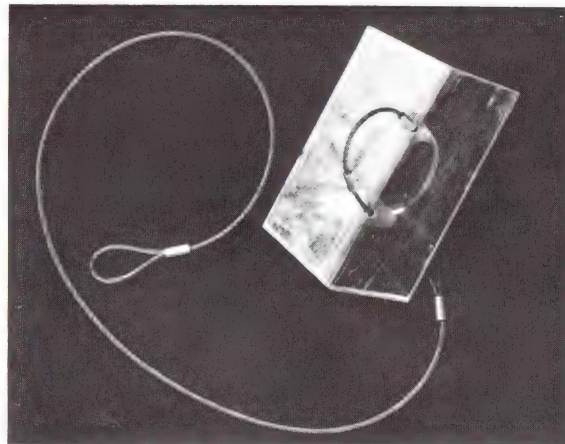


SALEWA HOLLOW TUBE ICE SCREW. A machine-tooled ice screw designed for maximum strength and holding power.

HS905 21 cm 3 oz. \$ 4.25

HS906 25 cm 4 oz. \$ 4.50

HS907 35 cm 6 oz. \$ 4.75



SNOW ANCHOR. Angled aluminum plate with steel cable loop. Comes with directions for use.

HR100 wt. 14 oz. \$ 5.00

NYLON TUBULAR SLING MATERIAL.

TN001 1" width 4100 test per ft. \$.10

TN012 5/8" width 1850 test per ft. \$.05

TN096 9/16" width 1000 test per ft. \$.04

NYLON CLIMBING SLINGS. Loops made from 1" width tubular nylon, strongly stitched with nylon thread. Test 4100 lbs.

M105/44 44" circle wt. 2 oz. \$ 1.25

M105/48 48" circle wt. 2-1/8 oz. \$ 1.35

M105/51 51" circle wt. 2 1/4 oz. \$ 1.65

M105/96 96" circle wt. 4 oz. \$ 1.75

DIRECT AID SLINGS. Two 6-foot ladders of 1" heavy-duty nylon webbing. Each has four strongly stitched loops, reinforced and stiffened at bottom to provide steps.

M113 wt. 14 oz. per pair \$ 9.50

ROBBINS BELAY SEAT. A continuous sling of 1" nylon webbing. Seat is strong Ripstop nylon.

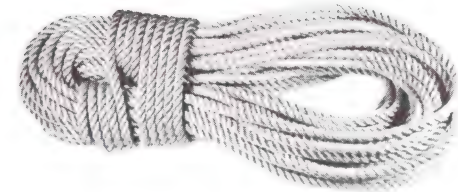
M112 wt. 2 oz. \$ 4.50

ROBBINS BIVOUAC HAMMOCK. This type of hammock is well established for use on extended climbs on the vertical walls of Yosemite. 1" nylon web and Ripstop nylon. Measures 33" x 62".

M114 wt. 7 oz. \$12.00

FORREST MOUNTAINEERING HAMMOCK. Ripstop nylon, edged and suspended from nylon straps. Surprisingly comfortable with single point suspension.

M115 wt. 16 oz. \$30.00



PLYMOUTH GOLDLINE CLIMBING ROPE. Gold-colored nylon fiber woven into 3-strand "hard lay" especially for mountaineering use. 7/16" diameter recommended for continuous climbing. 3/8" diameter satisfactory for moderate climbing and most belaying requirements on ice or snow.

CG712 7/16" x 120' 5550 test 7-1/8 lbs. \$26.50

CG715 7/16" x 150' 5550 test 8 3/4 lbs. \$33.00

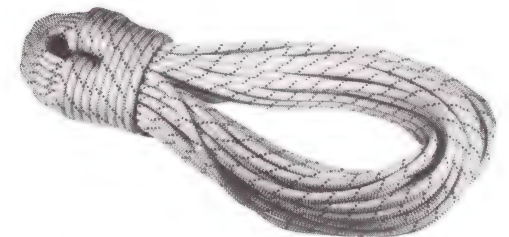
CG312 3/8" x 120' 4000 test 4-1/8 lbs. \$19.75

CG315 3/8" x 150' 4000 test 5 1/2 lbs. \$24.50

CG716 7/16" bulk per ft. \$.24

CG038 3/8" bulk per ft. \$.17

CG014 1/4" bulk 1950 test per ft. \$.10



EDELRID ROPE. Perlon. Kernmantle construction. Continuous filaments provide great strength with moderate flexibility. High elasticity for shock absorption. Does not twist or spin. Remains flexible when wet. Colors: blue or red.

CP101 11 mm x 150' 4800 test 7 lbs. \$42.00

CP102 11 mm x 165' 4800 test 7 lbs. 12 oz. \$45.00

CP111 9 mm x 120' 3200 test 4 lbs. 2 oz. \$25.00

CP112 9 mm x 150' 3200 test 5 lbs. 2 oz. \$33.00

CP120 7 mm bulk 2200 test Red only per ft. \$.15



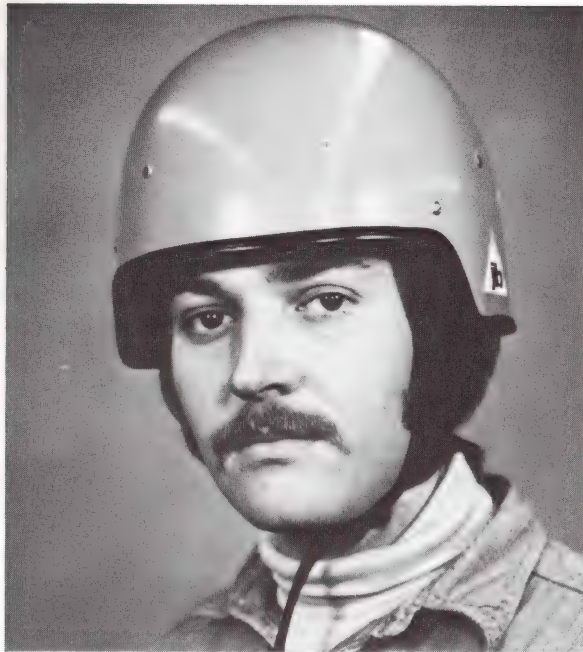
EDELWEISS ROPE. Kernmantle construction combining strength, elasticity and flexibility. Will not kink. Stiffer mantle provides great dynamic strength and resists abrasion. Colors: blue or red.

CP501 11 mm x 150' 5500 test 8 lbs. 4 oz. \$42.00

CP502 11 mm x 165' 5500 test 9 lbs. \$50.00

CP511 9 mm x 120' 3000 test 4 lbs. 7 oz. \$30.00

CP512 9 mm x 150' 3000 test 5 lbs. 9 oz. \$35.00



JOE BROWN HELMET. Designed and manufactured by Joe Brown. Meets British Mountaineering Council requirements for impact and shock absorbency. Inner liner is removable to provide good warm weather ventilation. Adjustable design provides a good fit. Small—6½ to 6-7/8, medium—7 to 7¼, large—7-3/8 to 7½. Colors: red or blue.
HT101 ave. wt. 1 lb. 14 oz. \$17.00

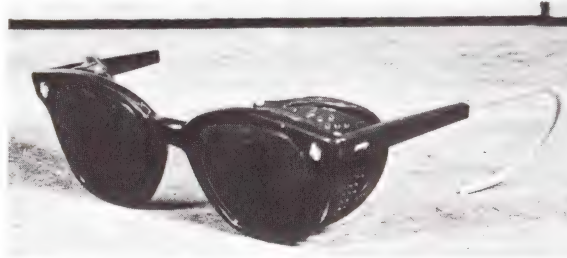


MALIBU. Standard-gauge fiberglass shell with thickly padded headband. Finish is white with metal flake. Sizes: 6¾ to 7¾.
HT103 ave. wt. 1½ lbs. \$15.00



JUMAR ASCENDERS. Swiss-made device for ascending ropes. Replaces the use of Prusik knots. Strongly constructed of cast aluminum alloy. Can be used on ropes ¼" to ½" diameter. Slings included. Used in pairs.

HE103 wt. 14 oz./pr. pair \$33.50
 right or left each \$17.00



SAFETY GLASSES. An ideal glass for skiers and climbers. Tough plastic frames with perforated side shields. Green lenses are mounted to prevent glass being driven toward eyes if blow is received.

ME102 wt. 2 oz. \$ 5.25

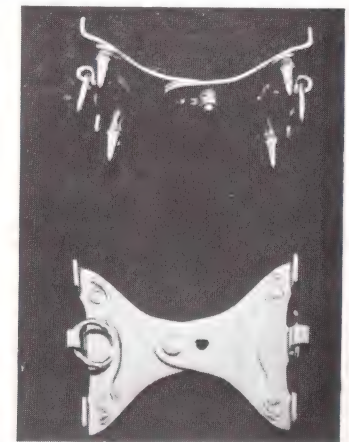
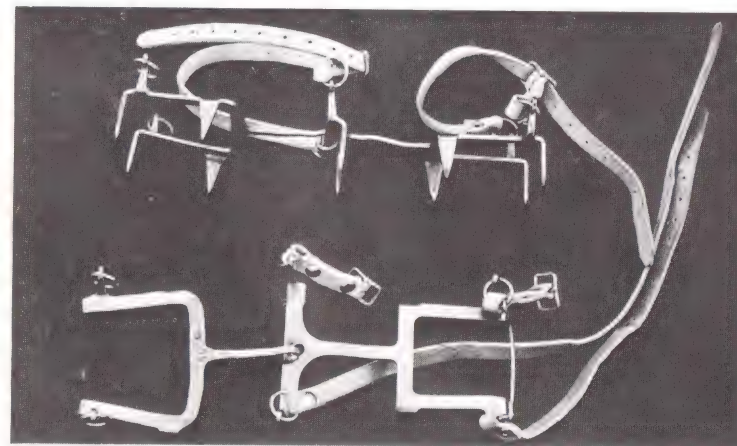
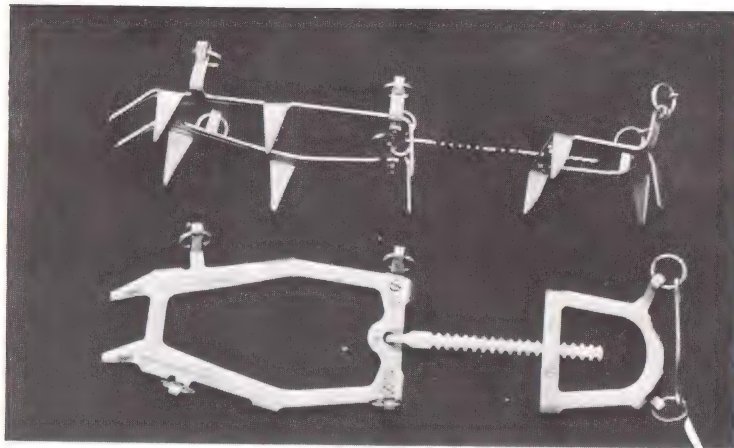
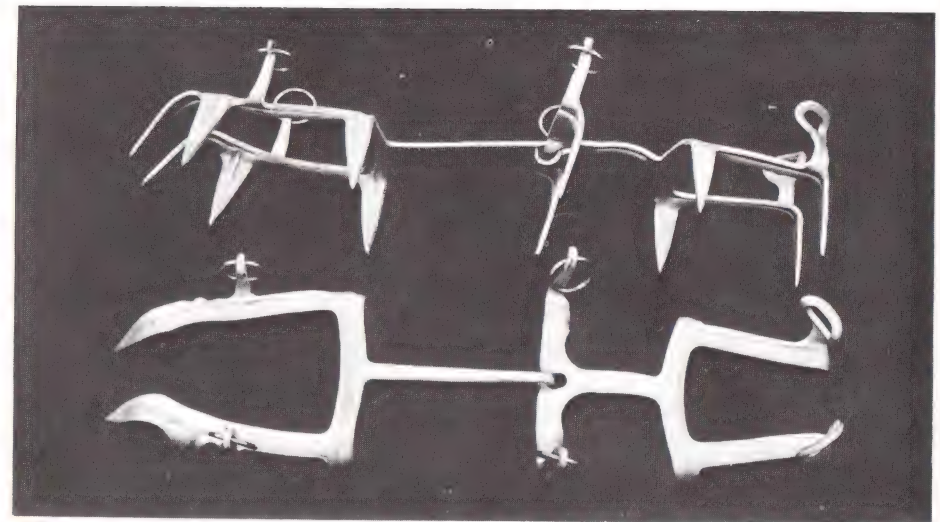


HOBBS RESCUE HOOK. Heavy-duty descent control device. Drop-forged of aluminum alloy. Ideally suited for rescue work as descent can be stopped at will with both hands free.
HE105 wt. 15 oz. \$25.00



SWAMI BELT. Allows easy tie-in for general climbing. Offers good support to small of back. Particularly useful for tension climbing. Strong nylon web construction. Hammer holder and rope loop.

M101 wt. 8 oz. \$ 5.95



CHOUINARD TWELVE POINT CRAMPONS. Fully adjustable in length and width to provide perfect fit on boot sizes 5 to 14. Rigid design for unexcelled point penetration on technical ice. Points are sized to work equally well on snow or ice. Alloy steel for low-temperature strength. Recommended for highly technical climbs only. Neoprene straps included.
MC700 wt. 31 oz. **\$40.00**

SIMOND EVEREST TWELVE POINT CRAMPONS. Long points are superior for most snow conditions; broad toe points provide getter grip on steep, technical walls. Send outline of boot sole when ordering.
MC512 ave. wt. 28 oz. **\$30.00**

SALEWA ADJUSTABLE TWELVE POINT CRAMPONS. Three sizes to fit any boot, sizes 6 to 13, any width. An exceptionally strong crampon for the most difficult of ice climbing. Send boot size.
MC612 wt. 22 oz. **\$19.00**

GRIVEL TEN POINT CRAMPONS. Non-technical general use crampons. Strong steel alloy. Send outline of boot sole when ordering. Straps not included.
MC401 ave. wt. 22 oz. **\$20.00**

STUBAI FOUR POINT INSTEP CRAMPONS. Recommended for limited use where short stretches of ice must be crossed. Adjustable width. Hemp straps included.
MC204 wt. 11 oz. **\$ 4.75**

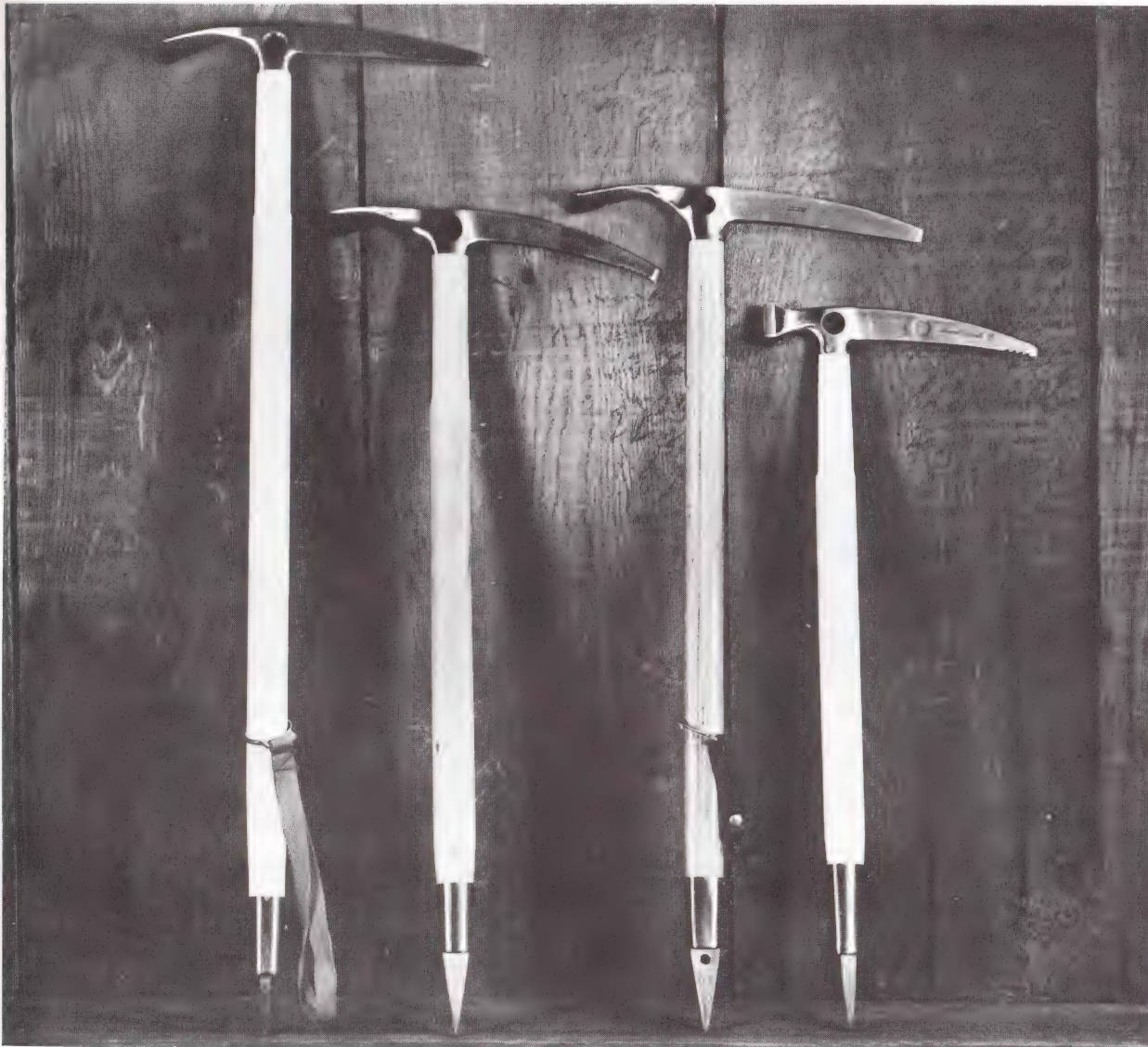
CRAMPON SPIKE PROTECTOR. Unit-molded rubber will stretch to cover points of various sized crampons. 12 points.
MC105 wt. 2½ oz. **\$ 2.00**

LONGTHONG CRAMPON STRAPS. Strong nylon straps with quick-release buckle. 70" long.
MC101 wt. 3 oz. pr. **\$ 3.00**

GRIVEL-TYPE CRAMPON STRAPS. Strong nylon webbing with quick-release buckles. Four pieces, each 41" long.
MC102 wt. 4½ oz. pr. **\$ 3.50**

BECK CRAMPON STRAPS. Tough neoprene/nylon straps will not absorb water or collect ice and will not stiffen. They grip the boot tightly and will not stretch. Four straps, easily removed for use with other crampons.
MC103 wt. 8 oz. **\$ 5.75**

CHOUINARD CRAMPON STRAPS. Four two-piece neoprene straps. Permanently attached to crampon with rivets.
MC104 wt. 7 oz. **\$ 5.50**



NANGA PARBAT ICE AXE. Lightweight. Thin bladed pick with deeply serrated tip grips well in ice. Short adze provides greater leverage for cutting ice. Carabiner hole. Ash handle. Glide ring with strap. Lengths: 75 cm to 95 cm.
MA208 ave. wt. 28 oz. \$24.00

CHOUINARD ICE AXE. Forged of nickel-steel. Straight adze. Pick has exaggerated droop with deep notches near tip. Carabiner hole. Handle pre-soaked in linseed oil. 55 cm ash handle—for use on steep ice when not much snow climbing is expected.
MA206 wt. 28 oz. \$32.50
MA207 wt. 32 oz. \$34.50

GRIVEL ICE AXE. Laminated handle offers exceptional strength. Superbly forged head. Carabiner hole and uniquely perforated spike. Concave blade. Glide ring with strap. Lengths: 70 cm to 95 cm.
MA205 ave. wt. 30 oz. \$32.00

SIMOND ICE HAMMER. Useful on mixed rock and ice climbs. Wooden handle. Serrated pick. Carabiner hole. Length: 60 cm.
MA201 wt. 25 oz. \$32.00



RUBBER COVER FOR ICE AXE HEAD. Molded in one piece. Stretches to fit axe head.

MA221 wt. 1½ oz. \$ 1.45

ICE AXE RUBBER TIP PROTECTOR. Hard rubber tip, serrated at bottom. Tapered hole for ice axe tip.

MA222 wt. ¼ oz. \$.50

ICE AXE REPLACEMENT GLIDE RING AND STRAP. 1" nylon web strap with aluminum glide ring.

MA225 wt. ½ oz. \$ 1.75



CAVING HELMET. Light and tough fiberglass helmet with lamp bracket. Manufactured by Mine Safety Appliances. Good protection with a minimum of weight. Cushioned headband adjusts to fit wearer. Adjustable chin strap.

HT104 wt. 17 oz. \$ 8.25

CARBIDE LAMP. Small miner's lamp. Burns carbide gas. Stands 3¼" high; ¾" flat hook for attaching to cave helmet.

E212 2½" reflector wt. 7 oz. \$ 7.00

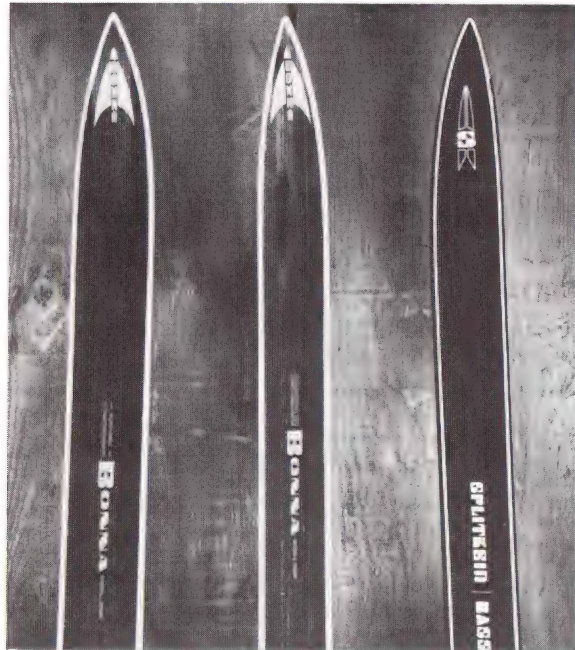
E213 4" reflector wt. 7 oz. \$ 7.00

CLEANING AND REPAIR KIT.

E214 \$.95

Note: Carbide fuel not mailable, but can be obtained locally.

22 SKI TOURING



BONNA 2400 GENERAL TOURING SKI. An excellent general touring ski for use in rugged territory, strong enough for deep snow yet light in weight. Made of laminated hickory with lignostone edges. Width: 60 mm, length: 180 to 220 cm. Recommended binding: Tempo.

K103 ave. wt. 5 lbs. 14 oz. \$37.50

BONNA 2000 CROSS-COUNTRY SKI. A general cross-country ski for use in moderate terrain and on trails. Not recommended for breaking trail in crust or very deep snow. Hickory laminations and lignostone edges. Width: 50 mm, length: 180 to 220 cm. Recommended bindings: Rottefella or Eie with boot.

K104 ave. wt. 4 lbs. 13 oz. \$37.50

SPLITKEIN LIGHT TOURING SKI. A Norwegian touring ski of laminated birch. Excellent for the beginner and as a general utility ski. Not recommended for use in rugged terrain or on icy, crusty slopes. Width: 55 mm, length: 180 to 215 cm. Recommended binding: Rottefella, Eie with boot, or Tempo.

K105 ave. wt. 4 lbs. \$25.00

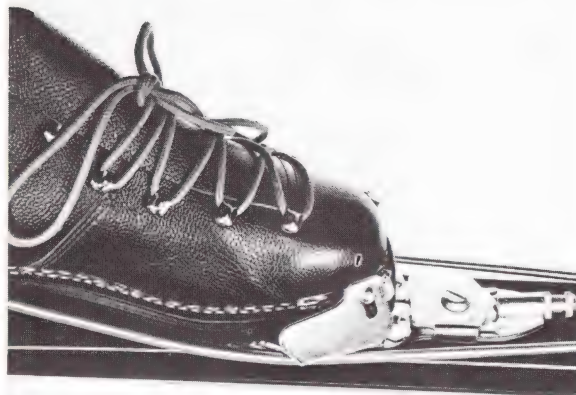
BAMBOO SKI TOURING POLES. Minimum weight; strong and springy. Curved tip for easy release from snow. 4" dia. baskets attached with cotter pins for easy changing. Leather hand straps. Lengths: 130 to 160 cm.

K110 ave. wt. 18 oz./pr. \$ 7.00

SKI TOURING BASKETS. Large diameter baskets for positive placement in unpacked snow.

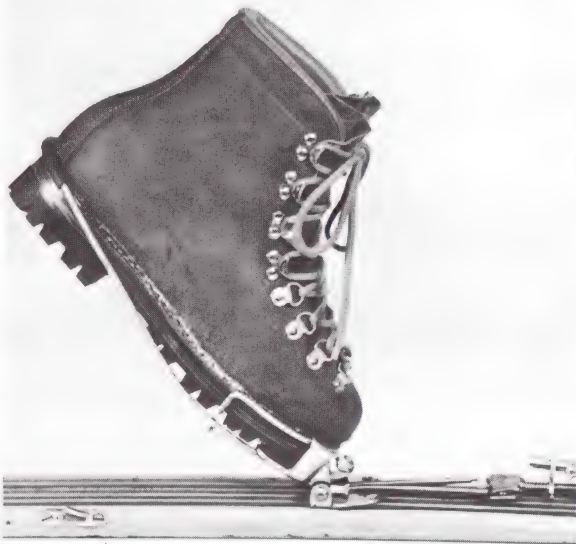
K111 wt. 4 oz./pr. \$ 2.00

Note: Skis and poles are oversize for Parcel Post and will be shipped REA Express collect.



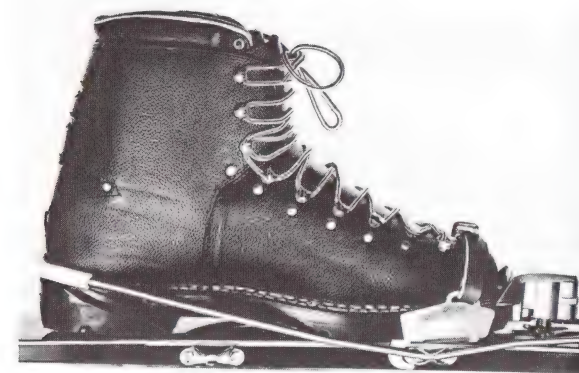
RAMY SECURUS BINDING. Combines the desirable characteristics of toe-irons or a touring attachment with a safety toe release. Recommended for mounting on mountain and downhill skis. Fully adjustable tension setting. Comes with front throw cable. Not for use with cross-country or general touring skis.

K202 ave. wt. 31 oz. \$25.00



SILVRETTA BINDING. A heavy-duty touring binding. Excellent for ski mountaineering. Easily converts for downhill skiing with double cable hooks. Pivots forward to a 90-degree maximum angle. The binding is designed to allow use of mountaineering boots on skis. Ideal for mountaineering and heavy touring skis.

K204 wt. 25 oz. \$18.50



MARKER STECKBACKEN TOURING ATTACHMENT. Snaps on and off with ease. A quick adapter for converting downhill skis for touring. Fully adjustable; fits any boot. Use only in combination with Marker toe and a front throw cable.

K195 wt. 10 oz. \$ 7.25

MARKER TOURING PLATE ATTACHMENT. A toe plate for converting downhill skis for touring. The plate must be bent for the individual skis and boots. Snaps on and off. Complete with cable guides.

K205 wt. 12 oz. \$ 3.25



TEMPO TOURING BINDING. A simple and sturdy Norwegian binding. For use on regular cross-country and general touring skis. Fits all skis 55 mm wide and up. Two sizes: women's fits up to size 7½, men's up to size 13.

K201 wt. 25 oz. \$ 8.50



EIE BINDING. A single step-in-and-lock binding combined with a heel stabilizer to improve lateral stability. The binding is good for use on cross-country and light touring skis only. May be used only in combination with light touring Eie boot. Standard for men; junior for women.

K207 wt. 7 oz. \$ 8.75



ROTTEFELLA X-C BINDING. Norse-made standard cross-country binding (to be used only with cross-country shoes and racing or cross-country skis). Widths small, medium, wide. Send boot tracings when ordering. Sole protectors included.

K203 ave. wt. 6 oz. \$ 7.50

BONN SOLE PROTECTORS. For use with X-C racing bindings only.

K300 set of 10 \$.50

POP-UPS. Prevent heel from freezing to ski.

K301 wt. 2 oz. pr. \$.85

HARSCHISEN. Useful on the more difficult ski-mountaineering ascents for conditions of extreme windpack and ice.

K125 wt. 5 oz. \$ 4.50

COMBINATION TOOL. 4-inch adjustable wrench, slip joint wire cutting plier and screwdriver, combined. Chrome plated.

J600 wt. 5 oz. \$ 4.25



MINARET SKI MOUNTAINEERING BOOT. An imported combination boot that is supple and comfortable for touring yet readily serves for downhill skiing. Made of pebble-grained black leather with shallow-tread Vibram lug soles for ski-climbing. Inner speed-lacing. Hinged heel allows forward flexibility. For men and women. Sizes 6 to 14; widths medium and wide.

B202 ave. wt. 5 lbs. \$35.00



TOURING BOOT. Light and supple; designed for touring. Rubber sole, pebble-grained black leather uppers, metal reinforced at heel counter and toe. Double tongue construction and padded top seal against snow. Fits any cross-country or touring binding. Sizes 6 to 11½; medium width.

B208 ave. wt. 3 lbs. \$27.50



X-C RACING SHOE. Light and flexible. Black leather uppers with padded top. Leather sole and soft rubber heel. Fits cross-country racing bindings. Sizes 7 to 11½; medium width.

B207 ave. wt. 2 lbs. \$23.00



EIE LIGHT TOURING SHOE. Designed for use only with Eie binding. Burgundy leather uppers with red, white and black trim. Rubber composition sole. Elastic leather snow collar. Comes complete with toe plate and heel notched for Eie binding. Sizes: 7 to 13.

B205 ave. wt. 2 lbs. 7 oz. \$26.75

Boot ordering instructions, page 37.

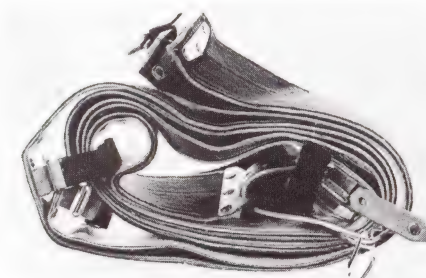
RECOMMENDED BOOT/BINDING/SKI COMBINATIONS

MINARET SKI MOUNTAINEERING BOOT. May be used with either the Ramy Securus, Silvretta ski mountaineering, or the Steckbacken touring attachment on downhill or heavy mountaineering skis.

TOURING BOOT. May be used with the Tempo touring or other similar binding on regular cross-country and general touring skis.

X-C RACING SHOE. May be used only with Rottefella or similar racing binding on cross-country skis.

EIE LIGHT TOURING SHOE. May only be used with Eie step binding on light touring or cross-country skis.



VINERSA CLIMBERS. Quality heavy plush with canvas backing. Clip-on strap allows skin to remain tight and straight on ski, eliminates strap wear over edge of ski; avoids putting holes in ski. Can be put on and taken off with ease. State ski length when ordering.

K110 ave. wt. 23 oz./pr. \$20.00

24 SKI TOURING

PREPARATION OF SKIS FOR WAXING.

The factory finish on new cross-country and touring skis is not suitable as a base for waxing. The skis should be scraped and sanded lightly to remove the finish and then Grundvalla or pine tar applied. To apply the Grundvalla base, you should lay the skis on an elevated bench bottoms up in a position that will prevent sliding as you rub. Spread the Grundvalla thinly over the entire base, then pass a lighted torch over the bottoms to burn the Grundvalla into the wood. Heat until the Grundvalla boils and then wipe away the excess with a cloth. Be careful not to char the ski while heating. A good base job should be dry and smooth. If the Grundvalla is applied in a thick coat and not wiped, it will work its way up through the wax when it is applied.

SWIX FOUNDATION TAR. To be heated into the ski with blow torch.

K133 \$.70

SWIX ORANGE BASE WAX. A binder wax for hard and crust conditions.

K132 \$ 1.00

WAXES.

K131/r—Red; new wet and settled snow \$.75

K131/b—Blue; fine grain and fresh snow from 26° to 23° F. \$.75

K131/v—Violet; new snow app 32° \$.75

K131/g—Green; fresh and fine grain 14° to 32° \$.75

K131/lg—Light Green; new snow 17° F. and below . \$.75

KLISTER.

K130/r—Red; coarse grain old snow \$.80

K130/b—Blue; ice and crusty snow \$.80

K130/v—Violet; coarse grain snow and crust 24° to 37° F. \$.80

K130/y—Yellow; new wet snow \$.80

K130/y—Yellow; new wet snow \$.80

WAXING CORK.

K137 \$ 1.00

HEATING IRON. Used to heat the ski so wax may be properly applied.

K135 \$ 4.50

FUEL TABLETS FOR HEATING IRON.

K136 package of 50 \$.75

SCRAPER FOR WAX.

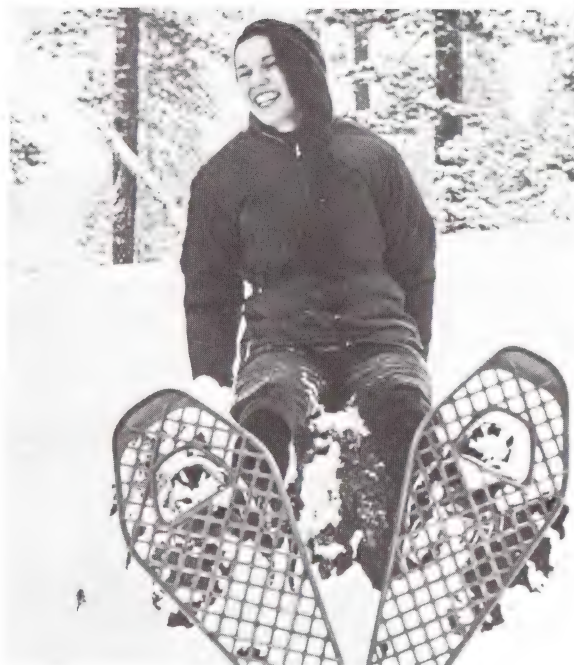
K138 \$ 1.30

AVALANCHE CORD. Red Perlon cord with directional marks at 2-meter intervals.

K500 wt. 3 oz. \$ 2.00

ALUMINUM SNOW SHOVEL. An invaluable accessory for winter mountaineering. Detachable handle. Ice axe can double as handle. Shovel size 8" x 18". 19" handle.

M209 wt 24 oz. \$ 4.00



SNOWTREADS. Extra-light snowshoes made of tough, high-impact polypropylene resins developed to resist sub-zero temperatures. Heavy-duty ribs give rigidity and support. Snow and ice will not stick to Snowtreads and they require no special care. Nylon bindings with quick-release buckles are attached to a "walking action" hinge.

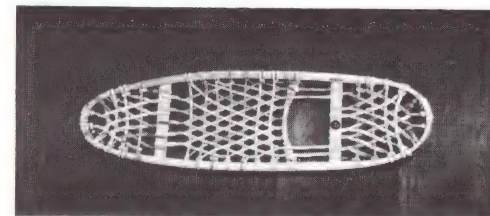
K123 wt. 2½ lbs./pr. \$18.00



NORSKI GOGGLES. Extra large curved plastic lenses mounted in cushioned and ventilated frame. Interchangeable green and yellow lenses. Will fit over glasses. Adjustable elastic headband.

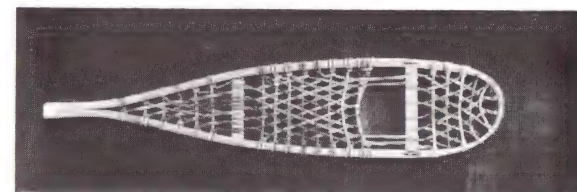
ME100 wt. 2 oz \$ 4.50

TUBBS SNOWSHOES. Selected ash and varnished rawhide construction preferred by most veteran snowshoers.



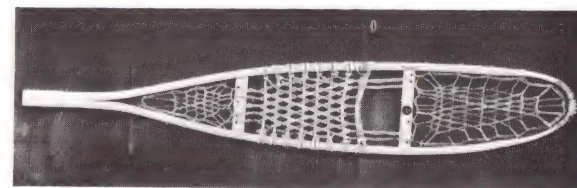
GREEN MOUNTAIN BEARPAW. 10" x 36". The most versatile design. Easy for the beginner and a favorite among professionals. Excellent maneuverability in brush or rough terrain. Supports up to 200 lbs.

K120 wt. 4 lbs. 6 oz. \$36.50



CROSS COUNTRY. 10" x 46". Same basic design as Green Mountain Bearpaw with the addition of a tail for reduced drag and increased stability. Supports up to 225 lbs.

121 wt. 5 lbs. 5 oz. \$36.50



ALASKA TRAPPER. 10" x 56". A long narrow shoe with 10" tip at toe. Excellent trail shoe for deep, light powder. Supports up to 300 lbs.

K122 wt. 5 lbs. 11 oz. \$36.50

LEATHER SNOWSHOE BINDINGS. Type H. A good binding for general use. Features full instep strap for extra support.

K125 wt. 12 oz \$ 6.00

BECK "SPECIAL" SNOWSHOE BINDINGS. Tough, riveted neoprene/nylon grips boot. Does not ice up or stiffen and will not stretch. Special toe section prevents toe of boot from slipping forward on steep descents.

K126 wt. 14 oz. \$11.25

NOTE: K121 and K122 Snowshoes are oversize for Parcel Post and will be shipped REA Express collect.

LOGAN



TRAILWISE LOGAN JACKET. Our extremely popular intermediate-weight, all-around down-filled jacket. Good looking and practical. Hip length; raglan sleeves and concealed knit cuffs; filled with 8½ to 11 oz. of prime northern goose down. Down-insulated pockets. Optional down-filled hood available (see below). Snag-free nylon zipper with down-filled draft flap secured with snaps. The Logan jacket has the warmth of several layers of wool, with less weight and bulk—easily fits into a corner of your pack until needed. Tough Supernyl shell with sewn-through seams. Sizes: small, medium, large, x-large; fits both men and women. Colors: brick, chianti, royal blue, emerald, bronze. Includes stuffsack.

A111 ave. wt. 23 oz. **\$36.50**

HOOD FOR LOGAN JACKET. A down-filled hood which can be drawn tight around face. Snaps to Logan collar. ¾ oz. down fill. (State size and color.)

A111/h ave. wt. 2½ oz. **\$ 6.00**



TRAILWISE EXPEDITION PARKA. Two separate down-filled jackets. May be worn individually or combined for greatest warmth. Inner jacket functions as a down sweater providing ideal warmth for most active situations. For the utmost protection against bitter cold at high altitudes or for comfort during periods of inactivity in cold weather, simply add the down-filled outer shell with hood for the warmth and protection of an expedition parka. **Inner Jacket:** Made of orange Tenaya nylon with 7 oz. fill of northern goose down. Total weight of inner jacket is only one pound. Hand-warmer pockets are down insulated. Snap closure on front of jacket, concealed knit cuffs, elastic at lower edge, and down collar with velcro fastener keep out cold. **Outer Jacket:** Made of soft and lightweight orange Tanaya nylon on the inside and snag-resistant blue Supernyl on the outside. 9 oz. fill. Total weight of outer jacket is 1½ lb. Closure is with double-slider nylon zipper. Snaps at wrist. Down-filled hood with draw cord. Drawcord at bottom of parka. Nylon zippers provide access to inside patch pockets or to down-insulated pockets of inner jacket. Combined weight of both jackets is only 2½ lb. Color: blue and orange combination.

A108 wt. 2½ lb. **\$82.00**

TRAILWISE DOWN VEST. Provides great warmth with less overheating and more freedom of movement than a down jacket. Perfect over a shirt, under a parka, or in your sleeping bag. Supernyl shell with sewn-through seams is 29" long and comes in blue, green. 5 to 6¾ oz. down fill. 3" down-filled collar, nylon zipper. Sizes: small, medium, large. 4" x 6" stuffsack included.

A112 ave. wt. 13 oz. **\$22.00**



TRAILWISE DOWN PANTS. Designed for the mountaineer who needs great warmth with minimum weight and complete adaptability. Quilted shell of Supernyl filled with northern goose down. Full length nylon zippers allow pants to be opened for ventilation and provide access to pockets. Zippers are separating so that pants may easily be put on or removed without taking off boots. Elastic waist with snap and velcro fastening. Color: blue. Sizes: small, medium, large.

A110 ave. wt. 18 oz. **\$32.00**



P & O VENTILE PARKA. This impeccably fashioned mountaineer's parka is constructed from English Ventile cloth—probably the most successful waterproof but breathable material yet developed. Full-length zipper is covered by a weather flap with snap closures and extends above chin for maximum protection in severe storms. Drawcords at hood and waist. Double thickness of material throughout jacket except over shoulders where three layers are used. Adjustable button cuffs. Two large patch pockets are sealed with fold-over inner flaps and button-down outer flaps. Zippered outer map pocket. Button closure on inner breast pocket. Color: lichen green. Sizes: 34 to 46.

A360 ave. wt. 41 oz. \$41.00



TRAILWISE MOUNTAIN PARKA. A true double-shell expedition garment; outer shell is of 60-40 Cloth, a mixture of cotton and nylon; inner shell is British Ventile cotton. These materials combine to provide optimum water and wind repellency with breathability and warmth. Full cut; may be worn comfortably over bulky down garments or sweaters. Raglan sleeves. Full-length heavy-duty 2-way nylon zipper sealed against drafts by snap-fastened flap. Inner waist drawcord with single adjusting slider, drawcord on hood. Two large bellows pockets with double flap and velcro closure, two inner breast pockets. Velcro closures at wrist. Colors: blue or orange. Sizes: medium, large, x-large.

A105 ave. wt. 30 oz. \$57.00



SAXONY BUSH COAT. A warm, comfortable, and stylish 100% wool jacket for all-around wear. Four large inverted pleat pockets with button flaps. Shirt collar. Five-button front. Sizes: 36 to 46. Colors: grey check or beige and brown houndstooth.

A350 ave. wt. 28 oz. \$23.00

WOOLRICH SHIRTS. Rugged, all-purpose outdoorsman's shirts of 85% reprocessed wool, 15% nylon, permanently mothproofed. Long tails, two breast pockets with button flaps. Sizes: small, medium, large. Colors: navy, brown.

A310 ave. wt. 27 oz. . . . \$12.00

ALASKA SHIRT. Heavy-weight 100% wool shirt, permanently mothproofed. Warm, durable, and attractive, the Alaska is ideal for camping, hiking, and general sportswear. Long tails. Two breast pockets. A rugged shirt that will give years of service. Color: grey twill. Neck sizes: 15 to 18.

A309 ave. wt. 26 oz. . . . \$15.00

GERMAN CORDUROY KNICKERS.

Wide-wale Trenker corduroy knickers. Two zippered side pockets. Reinforced seat, rear pocket with buttoned flap (men's model only). Adjustable waistband and quick-release buckle cuff. Colors: loden, navy, brown.

Men's model: Even sizes 28 to 38.

A403 ave. wt. 24 oz. . . . \$20.00

Ladies' model: Sizes 10 to 18.

A405 ave. wt. 22 oz. . . . \$18.00

WHIPCORD KNICKERS. Made in England of heavy-duty cotton whipcord, these climbing breeches feature a reinforced seat, belt loops, and durable elastic knee fasteners. Strong and abrasion-resistant without being too hot for summer rock climbing. Two side pockets, two deep rear pockets with velcro closure. Even sizes: 30 to 36. Color: dark grey.

A402 ave. wt. 26 oz. . . . \$16.50

BOLIVIAN ALPACA PONCHO. Hand-spun and hand-knit of the softest undyed virgin alpaca yarns, each of these ponchos is unique in pattern and color. Luxurious and amazingly warm, they make an ideal gift. One size fits all. Predominant natural colors: warm browns or soft greys.

A358 wt. 30 oz. . . . \$35.00





IRISH FISHERMAN'S SWEATERS. Traditional handknit pullover as worn by the rugged fishermen of the British Isles. Intricate pattern in white wool; crew neck. Sizes: men's and women's small, medium, large, x-large.

A320 ave. wt. 20 oz. . . . \$41.50

CARDIGAN. Same fine handmade quality as pullover listed above. Sizes: women's only, small, medium, large.

A321 ave. wt. 20 oz. . . . \$43.50

IRISH FISHERMAN'S CAP. Knitted wool watchcap to match the Fisherman's sweater. One size.

A322 wt. 4 oz. \$ 5.00

TURTLENECK JERSEY. A versatile and attractive jersey of 100% cotton with elasticized collar and cuffs. Excellent for skiing, hiking, and casual wear. Colors: cherry, navy, spruce, brown, powder. Sizes: men's S, M, L, XL; ladies' S, M, L.

A305 ave. wt. 11 oz. . . . \$ 6.00

SPORTIF SHORTS. Exceptionally well-made. Army twill. Double-layer construction. Four front pockets (two with button flaps), two zippered hip pockets and one small inner pocket at waist. 2" belt loops. Color: tan or navy.

Men's model: Even waist sizes 30 to 38.

A418/m . . ave. wt. 12 oz. . . \$15.00

Women's model: Sizes 8 to 14.

A418/w . . ave. wt. 10 oz. . . \$15.00

ENGLISH CORD SHORTS. These traditional British hiking shorts will give years of service. Two side pockets, one hip pocket with buttoned flap, zipper fly, and belt loops. Color: brown. Sizes: 30 to 38.

A401 ave. wt. 16 oz. . . . \$12.50

PENEGAL SWEATER. Imported from Austria, this stylish sweater is of extra-heavy wool for warmth, durability and comfort. Crew neck. Colors: dark blue and burgundy. Sizes: men's and women's small, medium, large, x-large.
A325 ave. wt. 30 oz. . . . \$25.00

ENGLISH WOOL CLIMBING BREECHES. Made of Derby tweed, these fine imported English knickers are rugged, warm, water-repellent, and long-wearing. Square-cut seat reinforcement reaches to knees; knee patches. Wide velcro closures at cuffs. Sturdy belt loops. Roomy pockets including hammer pocket. Color: grey tweed.
Men's model: Even sizes 28 to 38.
A410 ave. wt. 36 oz. . . . \$24.50
Ladies' model: Sizes 24 to 30.
A411 ave. wt. 28 oz. . . . \$24.50

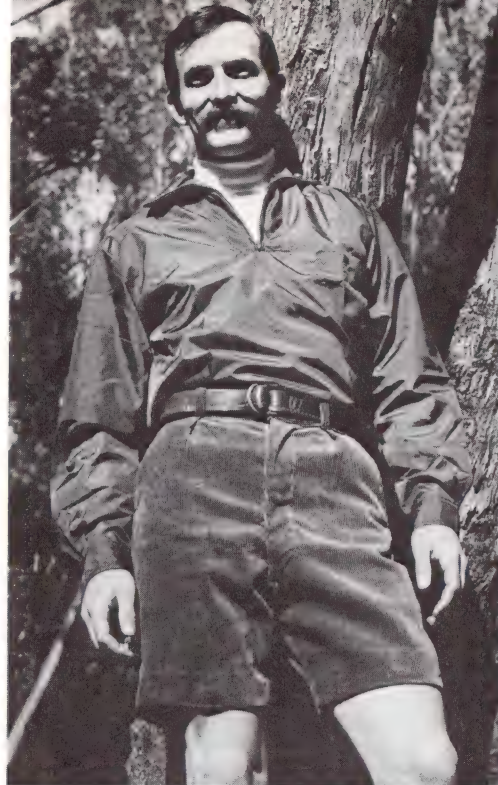


CHAMOIS SHIRT. Thick, double nap 100% cotton chamois cloth looks and feels like chamois leather. It is soft, durable, warm. Two large breast pockets with button flaps, long tails. Sizes: 15 to 18. Colors: camel, green, red.
A311 ave. wt. 22 oz. . . . \$10.00

HIKING PANTS. Made of water-resistant sateen, this pant is designed for rugged wear and comfort. Plenty of convenient pockets—four in the front (outer ones with flaps). Two hip pockets with buttoned flaps on men's model only. Color: British tan.
Men's model: Even waist sizes 28 to 38. State inseam length when ordering.
A420/m ave. wt. 19 oz. . . . \$11.00
Women's model: Sizes 8 to 16.
A420/w ave. wt. 16 oz. . . . \$11.00

HIKING SHORTS. Same stylish and handy pocket arrangement as the hiking pants in trim Jamaica-length beige fine-wale corduroy shorts. Button-flap hip pockets on men's model only.
Men's model: Even waist sizes 28 to 38.
A421/m ave. wt. 14 oz. . . . \$10.00
Women's model: Sizes 8 to 18.
A421/w ave. wt. 12 oz. . . . \$10.00





AUSTRIAN LEDERHOSEN. Genuine Austrian import. Sturdy, rough-finish grey suede leather. Two front pockets and one hip pocket. Men's have classic button front; ladies' have side zipper.

Children's—waist sizes 20 to 26.

A407/c ... ave. wt. 24 oz. ... **\$12.50**

Women's—waist sizes 22 to 30.

A407/w ... ave. wt. 32 oz. ... **\$23.00**

Men's—waist sizes 30 to 46.

A407/m ... ave. wt. 40 oz. ... **\$23.00**

Lederhosen Suspenders—men, women, children.

A408 **\$ 4.50**

WINDSHIRT. An extremely lightweight nylon pullover windbreaker. Convertible collar with nylon coil zipper. Single pocket. Ideal for skiing, bicycling, and backpacking. Colors: navy, red, green. Sizes: men's small, medium, large, x-large; women's small, medium, large.

A357 ... ave. wt. 4½ oz. **\$ 5.00**

TRAILWISE CAGOULE. A very lightweight knee-length parka made of waterproof coated nylon, cut large so that knees may be drawn up inside during bivouac. Suitable for camp or trail. Large Kangaroo pocket with velcro closure, drawcord with nylon slider at hood. Velcro at wrist, drawcord at lower edge. 4" x 10" case included. One size.

A120 wt. 16 oz. **\$18.50**

LARGE PLASTIC PONCHO. Waterproof vinyl, 54" x 96". Made longer in back for wearing over a pack. Zipper closure at neck. Snap fastener closures on sides. Hood with tie tapes.

A202 wt. 24 oz. **\$ 3.00**

NYLON PONCHO. Waterproof rubberized nylon, 50" x 80". Snap fastener closures; drawcord hood. Green and yellow reversible.

A200 wt. 23 oz. **\$ 6.25**

TRAILWISE NYLPORT PONCHOS. Urethane-coated nylon, completely waterproof, will not crack or peel. For those who want a quality lightweight poncho. Snaps are set along edges. With hood. Color: navy and green.

Standard: Measures 55" x 90".

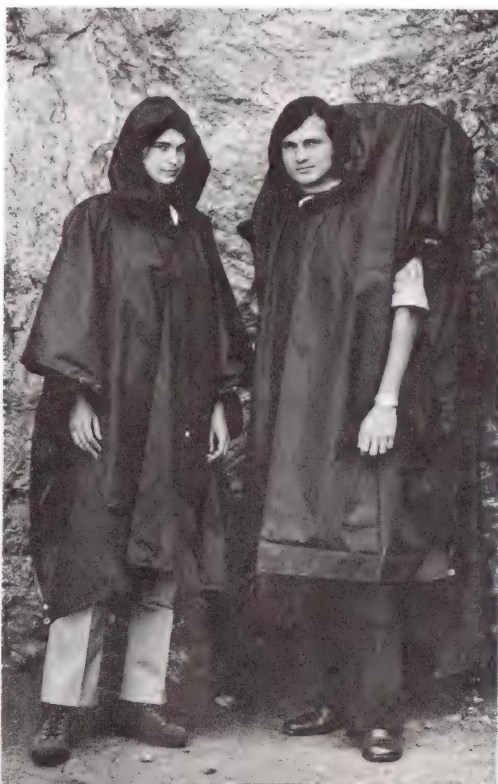
A121 wt. 16 oz. **\$15.00**

Overpack: Measures 55" x 120". Extra long in back for wear over pack. May be shortened with snap fasteners for normal wear.

A122 wt. 20 oz. **\$19.00**

COLUMBIA RAINCOAT. Light, waterproof, full-length double slider metal zipper, drawstring hood concealed in collar. Rip-resistant K-Kote nylon will not run, shrink, crack, or peel. Color: navy. Sizes for men or women: small, medium, large.

A203 ave. wt. 10 oz. **\$15.00**





ROLLER-CRUSHER. The woodsman's favorite. Can be shaped to suit your mood. Takes crushing, smashing, folding, and stomping in its stride. Tends to become very distinctive in shape after long wear. Colors: black, red, green. Sizes: 6-5/8 to 7 1/4.

A701 ave. wt. 3 oz. \$ 3.00



BASQUE BERET. Made in traditional style of 100% wool felt. Leather head band. Colors: black or green. Sizes: 6 1/4 to 7 1/4.

A729 ave. wt. 4 oz. \$ 3.00



ORLON BALACLAVA. Looks good and gives maximum all-weather face protection. 100% Orlon double fabric knit. Colors: black, navy, red.

A710 wt. 3 oz. \$ 2.25



WOOL BALACLAVA. The original British Balaclava helmet; an invaluable item for extremely cold weather. Can be used either as a cap or a full protective helmet. Made from long fiber, soft, fleecy, Shetland wool. Colors: navy, grey, tan.

A711 wt. 4 oz. \$ 2.75

SKI MITTS. Deerskin mitten filled with goose down. Baffled nylon lining. Knit inner cuff keeps out snow and cold.

A505 ave. wt. 7 oz. \$22.00

ROPER'S GLOVES. A first quality glove of cream-colored tanned cowhide. Palm is free of stitching along finger and thumb bases. Strap adjustment on back. Sizes: 8 to 12.

A502 ave. wt. 5 oz. \$ 4.75

MILLARMITTS. The famous British fingerfree glove. Back and wrist are water-repellent 100% wool, silicone treated. Palm is long-wearing non-slip textured cotton. Keeps wrist and hand warm and dry, frees fingers for climbing fishing, etc. Color: tan backs with brown palms. Sizes: S, M, L.

A508 ave. wt. 2 1/2 oz. \$ 5.50

G. I. GAUNTLET MITTS. Very good for cold weather mountaineering. Full leather palm and thumb, back and gauntlet of close-weave cotton twill. Removable wool liner, strap for tightening, and trigger finger for performing delicate tasks without removing gloves.

A501 wt. 10 oz. \$ 3.25

SILK GLOVE LINERS. Augments warmth of any glove or mitten. Very useful under cold conditions when mitts must be removed to operate cameras, tie crampon straps, etc. Color: natural. Sizes: S, M, L.

A511 ave. wt. 1 oz. \$ 3.00

ALUMINIZED GLOVE LINERS. Made of aluminized Lurex threads. Heat-reflective and moisture absorbent Men's and women's stretch sizes. Color: silver.

A510 ave. wt. 1/2 oz. \$ 4.00

NORSE NET UNDERWEAR. Year-'round comfort is provided by this traditional Scandinavian underwear. Fishnet design creates many small insulating air spaces for winter warmth and summer cool. Open cell construction allows evaporation of perspiration, thereby preventing outer garments from sticking to skin. Knitted from soft white cotton. Short sleeves. Sizes: small, medium, large, x-large.

A651 Shirts; ave. wt. 7 oz. . . \$ 3.50

A652 Longs; ave. wt. 7 oz. . . \$ 3.50

SKI SKINS, Dual layer underwear. 50% polyester, 50% cotton layer for soft comfort next to your skin. Outer layer is 70% polyester, 30% Australian wool for warmth. Men's: S, M, L, XL. Color: white. Women's: S, M, L. Color: powder blue.

A655 Shirts; ave. wt. 9 oz. . . \$ 6.00

A656 Longs; ave. wt. 8 oz. . . \$ 6.00

HEAD BANDS. 100% wool. Shaped pattern fits well over forehead and ears. Wide range of colors; please indicate alternate choices.

A713 wt. 1 oz. \$ 1.25

BANDANNAS. Traditional bandannas in assorted patterns. Colors: red or blue.

A730 small; 1/2 oz. \$.35

A731 large; 1 oz. \$.65



MOROCCAN BALACLAVA. Hand knit in the mountains of North Africa. Bold designs in 100% rayon. Colors: orange/yellow, red/blue, black/white.

A709 wt. 6 oz. \$ 6.25

SOCKS

NORWEGIAN LONG BOOT SOCKS. Knee length Ragg socks made of 100% heavy-weight wool. Highest quality. Color: grey. Sizes: 9-13.

A931 ave. wt. 7 oz. \$ 3.25

NORWEGIAN BOOT SOCKS. An ideal all-around boot sock of 100% wool. These famous Ragg socks are high enough for 8" mountaineering boots. Color: grey. Sizes: 8-13.

A901 ave. wt. 4½ oz. \$ 2.25

EXTRA-HEAVY NORWEGIAN SOCKS. 10" ribbed top; nylon reinforced heel and toe. Extra thick wool for additional cushioning and warmth. Color: off-white. Sizes: 9-13.

A902 ave. wt. 6¼ oz. \$ 3.00

ROYLON PATTERNED KNICKER-SOCKS. Scandinavian snowflake pattern in 55% wool, 45% acrylic. This Austrian import is elasticized both above and below the knee for secure fit and maximum freedom of movement. Colors: red, green, or blue with black. Sizes: 9-12.

A933 ave. wt. 5 oz. \$ 5.00

ROYLON KNICKER-SOCKS. Soft, warm, and long-wearing (45% wool, 55% Dralon). Wide rib knit. Elasticized above and below the knee. Colors: royal blue, medium grey, bright red, heather green. Sizes 9-12.

A932 ave. wt. 6 oz. \$ 4.00

NORSE THERMAL SOCKS. Thickly cushioned inner pile provides great comfort and excellent insulation. 75% wool, 25% nylon. Shrink resistant. An excellent all-around boot and casual sock. Colors: red, blue, white. Sizes: 9-14.

A903 ave. wt. 3 oz. \$ 3.00

WICK-DRY SOCKS. Double layer socks. Inner layer repels moisture while outer layer absorbs moisture, keeping feet dry.

A908 ave. wt. 3½ oz. \$ 2.60

ADLER STRETCH SOCKS. 65% lambs wool, 35% stretch nylon. A medium-weight sock for sport or casual wear. Shrink resistant. Colors: green, bourbon, grey, white. One size 10½-13.

A906 ave. wt. 2½ oz. \$ 1.50

LIGHTWEIGHT INNER SOCKS. Recommended for wear under heavy bootsocks. 70% polypropylene, 30% nylon fibers carry moisture away from foot. Color: white. Stretch sizes 9-11, 10-13.

A909 wt. ¾ oz. \$ 1.00



TRAILWISE 9" GAITERS. Snug elastic grip above and below the ankle. Made of waterproof nylon duck. Adjustable nylon underarch strap. Nylon zipper.

A116/9 wt. 6½ oz./pr. \$ 6.50

TRAILWISE 18" GAITERS. Reaches above calf for extra protection in deep snow and severe conditions. Nylon duck, full nylon zipper, adjustable nylon underarch strap. Hook to clip front of gaiter to boot laces. Elastic at top, ankle and bottom of gaiter.

A116/18 wt. 9 oz./pr. \$13.50



TRAILWISE DOWN BOOTIES. Wear inside tent, cabin, car or sleeping bag. Pure, fluffy goose down in differentially sewn shell provides the most efficient insulation known. Soles are ¼" Ensolite covered with heavy-duty urethane-coated nylon duck for ground insulation. Uppers are constructed with Supernyl outer shell and Tenaya inner shell. Inner sole is cotton for non-slip comfort. Hidden elastic band holds bootie snugly against heel. Drawstring at top. Height is 11". Sizes: S, M, L.

A115 ave. wt. 8 oz. \$11.00

RUBBER LUG SOLES. Made of black compound rubber that will grip on almost any surface except glare ice. They are used extensively by outdoorsmen and mountaineers throughout the world.



VIBRAM MONTAGNA SOLES AND HEELS. For hiking and mountaineering boots.

B010 ave. wt. 1 lb./pr. \$4.50

RUBBER MIDSOLES. Needed to obtain best bonding of lug soles.

B013 ave. wt. 6 oz./pr. \$ 1.00

MARWA SOLES. For kletterschuhe without raised heels.

B011 ave. wt. ¾ lb./pr. \$ 3.25

RESOLING SERVICE. Proper attachment of lug soles is critical. We recommend that you engage your local shoe repairman to undertake resoling, as the savings in money and time are considerable.

Boots must be clean before they will be accepted for repair or resoling service.

Price includes sole, rubber midsole and labor \$14.00

Cost of shipping and handling (Parcel Post) \$ 1.50

Note: Allow four weeks for two-way shipment and resoling service.

LEATHER LACES. Oil-tanned and made from heavy gauge leather. Length 72".

B910 wt. ¾ oz. per pair \$.60

BRAIDED NYLON LACES. Textured; high tensile strength. Non-slip waxy finish. Colors: black, red, white.

A123/54 54" long per pair \$.50

A123/72 72" long per pair \$.60

SNO-SEAL. The original waterproofing for leather.

B902 8 oz. can \$.95

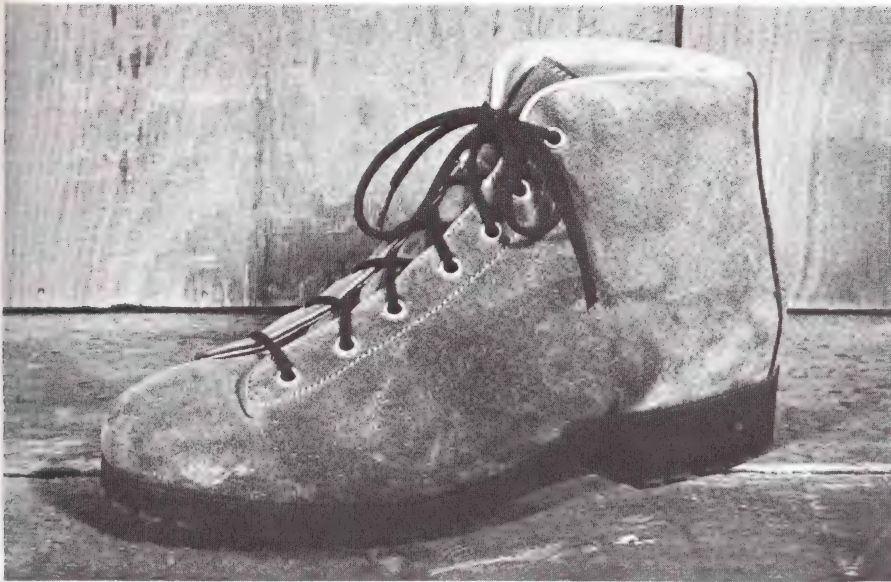
B903 4 oz. can \$.60

LEATHER SEAL. For waterproofing shoes, ski and hiking boots.

B905 8 oz. can \$ 1.40

SNO-SHO. Silicone waterproofing spray for shoes and boots. May also be used on suede.

B901 8 oz. aerosol can \$ 1.50



MUIR TRAIL. By Pivetta. An excellent lightweight trail boot of grey abrasion-resistant suede. Fully lined in smooth calf; padded tongue and ankle section. Reinforced toe caps and heel counters. Non-skid Vibram lug soles. Doubles as an excellent climbing boot. Height 6". Sizes 4 to 14; widths AAA to D.

B101 ave. wt. 3 lbs. \$28.00



PIVETTA 5. Medium-weight hiking boot. Built on the same last and design as the Muir Trail, this boot features smooth-finish leather uppers and a leather midsole. Calf lined, padded ankle and tongue, Vibram sole. Reinforced toe caps and heel counters. Height 6". Sizes 5 to 14; widths AAA to D.

B102 ave. wt. 4 lbs. \$37.00



BEOFOR. By Voyageur. A very lightweight boot for the ladies. Suede uppers, smooth leather inner lining. Padded ankles and scree collar. Bellows tongue with flap protector. Lacing hooks. Rubber lug welt sole. Height 5". Sizes 4 to 9; widths narrow and medium.

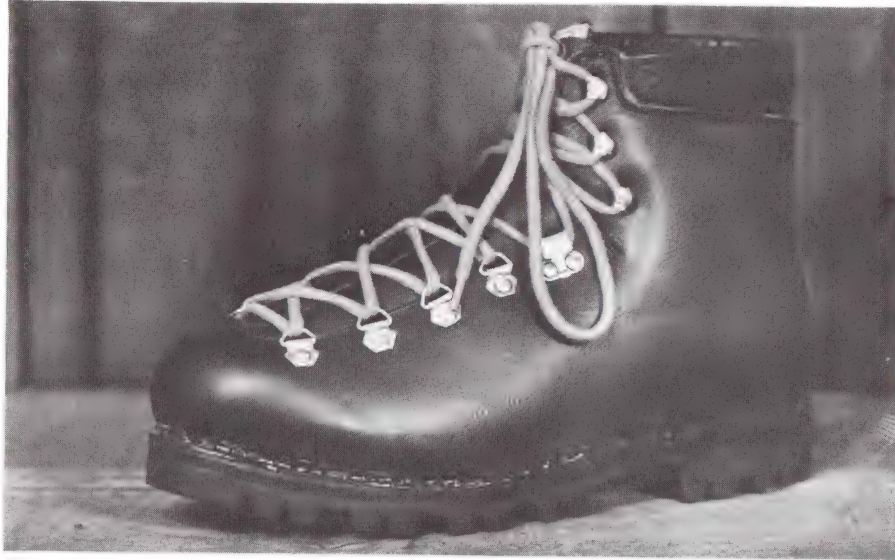
B306 ave. wt. 2½ lbs. \$20.00



SIERRA. By Voyageur. Light and rugged American-made hiking boot. Roughout leather uppers, unlined, reinforced at heel counter, toe, and arch. Full bellows tongue backed by padded inner tongue. Padded top to keep out scree and snow. Lacing hooks. Vibram Montagna welt soles. Height 6". Sizes 7 to 13; widths medium and wide.

B304 ave. wt. 3½ lbs. \$28.00

36 MOUNTAINEERING BOOTS



MOUFLON SHASTA. By Galibier. A medium-weight, comparatively flexible boot with a two-piece black leather upper. Good for all-around hiking or light mountaineering. Especially suitable for beginning climbers. Makes a good woman's boot. Lug welt soles. Sizes 5 to 12; medium width.

B402 ave. wt. 4½ lbs. \$31.00



EIGER. By Pivetta. Heavy-duty Italian mountaineering boot. Black leather upper, resistant to rock abrasion and water penetration. Padded throughout ankle section; fully lined in calfskin. Hard toe and heel counter. Vibram Montagna sole is cemented on, and reinforced by brass screws at toe and heel sections. Sole is trimmed to eliminate overhang. This boot has been proven on expeditions to the Andes, Himalayan, Alaskan and African ranges. Height 6½". Sizes 5 to 14; widths A to E.

B106 ave. wt. 4¾ lbs. \$38.00



MONTE ROSA. By Pivetta. Developed in Europe for climbing in the Alps. Roughout oil-tanned leather for abrasion resistance. Fully lined with chrome-tanned leather, backed with foam rubber around the ankle section, including tongue. The Vibram Montagna sole has no overhang, assuring good balance on rock and technical ice. Lacing hooks. Height 5½" plus 1" snow and scree collar. Sizes 5 to 12; widths A to D.

B105 ave. wt. 4½ lbs. \$41.00



"RD" SUPER-GUIDE. By Galibier. A heavy-duty mountaineering boot with stiff sole. Tan rough-out uppers with "double water-proof tanning." Used on many of the hardest climbs in the Alps and in North and South America. Upper is gusseted to keep out water and snow. Good for rock climbing. Lug welt soles. Sizes 6 to 13; medium width.

B403 ave. wt. 5½ lbs. \$45.00



SPIDER. By Pivetta. Designed for technical rockclimbing. Stiff Vibram sole for edging on tiny holds. Grey suede leather. Heel and toe are capped with an additional layer of leather. Sizes: 5 to 14. Widths AA to D. **Limited supply available.**

B100 ave. wt. 2½ lbs. **\$20.00**



"RR" VARAPPE. By Galibier. Designed by Royal Robbins and manufactured by Galibier as a heavy duty rockclimbing shoe. Not recommended for hiking. The Varappe has become the most popular and most versatile rockclimbing shoe in the United States. Rigid for edging and comfort in slings, yet sufficiently flexible to conform to sloping holds. Gripping device on lacing allows separate adjustment of lace tension for walking. Uppers are blue suede with a thickness of rubber over toe and heel counter; padded ankle; lug sole. Sizes 5 to 12; width medium.

B404 ave. wt. 3¼ lbs. **\$30.00**



HIVERNALE. By Galibier. A double boot with two sets of inner boots. The "arctic" inner is felt on the lower and leather on the upper exterior, fully lined with synthetic fur. The "alpine" inner has a black leather exterior and is lined with felt. Outer boot is smooth black leather with closely trimmed lug soles and is so lightweight that one can climb in it as well as in a single boot. Hinged heel. Lacing rings. For technical climbing in very cold weather. Sizes 5½ to 12; medium width.

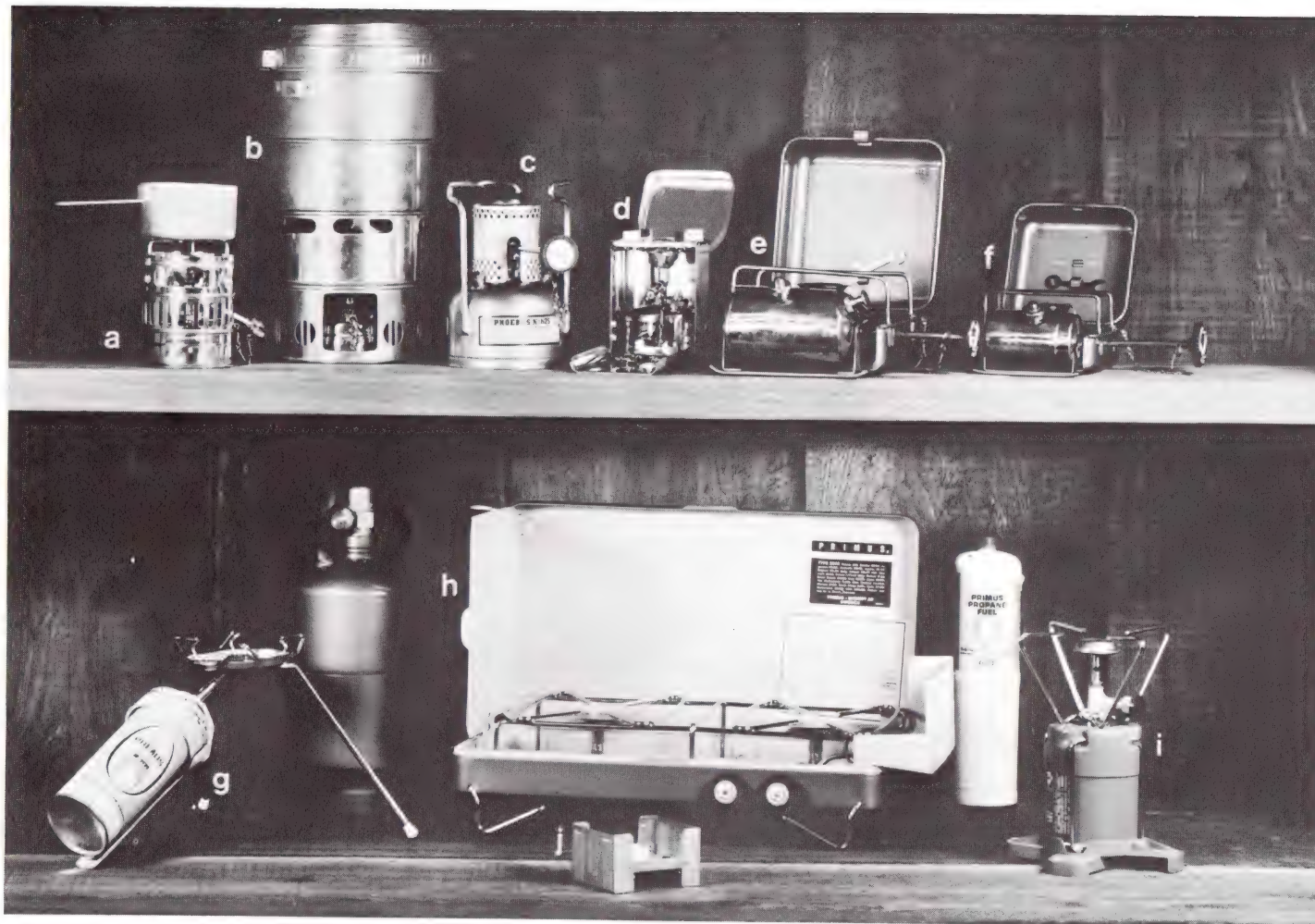
B401 ave wt. 6½ lbs. **\$80.00**

HOW TO ORDER BOOTS

Please follow these directions carefully. The information requested below is essential for the fitting of your boots.

1. Put on the socks you intend to wear. Stand up on a piece of paper, having the weight of your body equally distributed on both feet. Holding a pencil vertically, clearly define the outline of each foot.
2. State your usual dress shoe size. Give both length and width; for example 9 C.
3. Enclose the foot outline and your dress shoe size with your order.

NOTE: We guarantee a proper fit. Instructions for trial use of your boots will be sent with them. Please observe these instructions carefully as boots which have been worn out-of-doors will not be accepted for exchange or refund. If the fit is incorrect, send the boots back to us with the coupon provided on the instruction sheet. A new pair of boots will be sent back to you postpaid.



a SVEA 123. An ideal combination of high efficiency and low weight, this practical Swedish stove will fit into any ordinary rucksack pocket. Burns about 1 hour on 1/3 pint of white gasoline. Requires no pumping. Safety valve. Integral windscreen also serves as stand for pots. Small pot is included with stove. Packed size with wind-screen and pot 5" x 3 3/4" diameter.
U703 wt. 18 oz. \$12.50

b SIGG TOURIST. A lightweight camp stove set, designed for use with Svea stove. Set consists of one casserole of 2 1/2 pint capacity, one casserole of 3 1/2 pint capacity, one lid/pan, upper and lower wind guard, strap, and Svea gasoline stove. Stove fits inside pots. Nested size 8 1/4" dia. x 4 1/4" high.
U733 wt. 2 lbs. \$21.50
Sigg Tourist set without stove
U732 wt. 21 oz. \$11.00

c PHOEBUS 625. Ideal for high-altitude expeditionary use, this compact and versatile Austrian stove is rated to boil one quart of water in 4 minutes. Burns white gas, but regular gas may be used if the cooking area is properly ventilated. Burns 1 1/2 hours on one pint of fuel. Packed in a 5 1/2" dia. x 7 1/2" metal cylinder.
U707 wt. 42 oz. \$14.00

d OPTIMUS 80. This compact stove comes in a metal box which serves as a windscreen/ cooking pot stand. Burns white gas and requires no pumping. 1/2 pint burns about 1 1/2 hours. 3 3/4" x 5 1/4".
U701 wt. 20 oz. \$12.00

e OPTIMUS 111B. Wide, low profile gives stable base for pots. 1/4 pint of white gas will last about 2 hrs. Powerful, regulating burner with self-cleaning device is rated to boil 1 qt. of water in 3 to 4 minutes. Wind-shield ensures perfect working under adverse conditions. Built-in pump provides desired pressure. Brass tank with safety valve. Japanned steel case measures 6 1/4" x 6 1/4" x 4-1/8".
U715 wt. 3-7/16 lbs. \$20.00

f OPTIMUS 8R. Smaller version of the 111B. Self pressure system. 1/4 pt. of white gas lasts about 1 1/2 hrs. Rated to boil 1 qt. of water in 6 to 7 minutes. Size 5" x 5" x 3".
U714 wt. 27 oz. \$13.50

g PRIMUS 2255 GRASSHOPPER. Popular, lightweight, single-burner butane stove. Burns 3 to 4 hours on one disposable butane cartridge. Regulating wheel controls flame. Measures 3" x 13" folded. Does not include cartridge.
U704 wt. 15 oz. \$ 6.75

PRIMUS DISPOSABLE BUTANE CARTRIDGE. 2 3/4" x 6 3/4". Holds 1/2 lb. of gas.
U705 wt. 11 oz. \$.85

h PRIMUS 2049. The easiest of all stoves to use, this instant-lighting 2-burner is ideal for car camping or any situation where size and weight are not of primary importance. Clean, fast, efficient. Folded size 17" x 13" x 2". Burns propane gas.
U713 wt. 9 1/2 lbs. \$27.00

Disposable Propane Cylinder. For Primus 2049. 14 oz. gas burns 3 to 5 hours.
U751 wt. 29 oz. \$ 2.00

Primus Refillable Propane Tank. Holds 3 1/2 lbs. propane gas. Easy filling. The most economical way to use propane. 13 1/4" high, 5-7/8" in diameter.
U752 (without gas) wt. 5-3/16 lb. . \$15.00

i BLEUET. This French stove uses disposable butane cartridges. Each cartridge will burn for 2 1/2 to 3 hours at maximum flame. Regulating valve controls flame. No priming, pre-heating, or pumping—simply open valve and light. Comes complete with one butane cartridge. 8 1/2" x 3 1/2".
U710 with cartridge wt. 25 oz. . \$ 9.00
Bleuet Windscreen
U710/w wt. 2 oz. \$ 1.25
Bleuet Cartridge
U711 wt. 10 oz. ea \$.95
Box of 6 Bleuet Cartridges
U712 wt. 3 1/2 lbs. \$ 5.25
 Butane cartridges may not be shipped by Air Mail.
Cleaning Needle \$.35

j HEAT TAB STOVE. Simple folding stove uses solid fuel tablets. Two hours fuel included.
U716 wt. 2 oz. \$ 2.00

HEATABS. Solid fuel tablets. May be used with Heatab stove or for starting fires and priming gasoline stoves.
2 hr. supply
U717 wt. 3 oz. \$ 1.00
4 hr. supply
U718 wt. 6 oz. \$ 1.40

ALUMINUM WINDSCREEN. Folding wind-break for small stoves. Three 5" x 6" hinged panels. Draft holes near bottom.
U740 wt. 4 oz. \$ 4.00

METAL MATCH BOX. Chrome-plated seamless drawn brass with rough-surface match scratcher on sides. 2½" x 1". Waterproof.

E507 wt. 1½ oz. \$ 1.95

PLASTIC MATCH BOX. Waterproof, hard plastic. Cork gasket, striking flint. 2½" x 1"

E506 wt. 1½ oz. \$.45

FLINT STICK. Gives off a high-temperature spark that will ignite flammable gases and liquids or tinder. Comes in kit with flint, striker, tinder, and key ring.

E504 wt. ¾ oz. \$ 1.00

METAL MATCH. Simply hold over tinder and ignite by rapidly scraping with a sharp object, which will produce a shower of long-lasting high temperature sparks.

E505 wt. ¾ oz. \$ 2.50

PLASTIC FUNNEL. Lightweight polyethylene, with metal screen to filter gas for camp stoves, etc.

U911 wt. ¼ oz. \$.50



FUEL CONTAINERS. Flat type. Tin alloy, leakproof, non-corrosive. Brass pouring spout and filling cap. Built-in filtering screens.

U620 1 pint
4" x 1¼" x 4½" ... wt. 4 oz. ... \$ 2.75

U621 1½ pint
4" x 1¼" x 7" ... wt. 5 oz. ... \$ 2.75

U622 1 quart
4" x 1¼" x 9½" ... wt. 6 oz. ... \$ 2.75



ALUMINUM BOTTLES. Leakproof and non-corrosive. Good fuel bottles.

Red Anodized Finish

U610 pint wt. 4½ oz. \$ 2.50

U612 quart wt. 6 oz. \$ 2.75

Spun Aluminum Finish

U600 pint wt. 4½ oz. \$ 1.75

U602 quart wt. 6 oz. \$ 2.25



COLLAPSIBLE PLASTIC BOTTLE. Stands upright when filled—collapses when empty. Leakproof plastic screw cap. 5 qt. capacity.

U655 wt. 4½ oz. \$ 1.25



POLYETHYLENE BOTTLES. Unbreakable, lightweight. Excellent for carrying liquids.

U640 ½ pint wt. ¾ oz. \$.35

U641 1 pt. wt. 1½ oz. \$.60

U642 1 qt. wt. 2½ oz. \$.75



BOTTLES WITH ATTACHED CAP. Made in Austria of non-breakable soft polyethylene. Vertical corrugations for strength. Non-losable plug stopper and screw cap.

U630 1 pt. wt. 2½ oz. \$.70

U631 1½ pt. wt. 3 oz. \$.75

U632 1 qt. wt. 3½ oz. \$.90



PLASTIC WIDE-MOUTH BOTTLES. Unbreakable polyethylene. Positive sealing heavy-duty lid.

U650 ½ pint wt. 1½ oz. \$.50

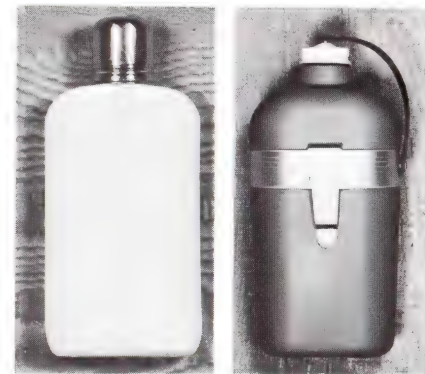
U651 1 pt. wt. 2½ oz. \$.80

U652 1 qt. wt. 5½ oz. \$ 1.35



COLLAPSIBLE WATER BAG. Thick, flexible vinyl container holds 11 quarts. May be rolled up. Removable spigot at bottom, handles at both ends. Convenient water supply.

U662 wt. 8½ oz. \$ 2.50



PLASTIC FLASK. Unbreakable. Translucent frosted finish. Shaped to fit hip. Two caps; outer one measures 1 fluid oz.

U643 wt. 2 oz. \$ 1.00

PLASTIC CANTEEN. Lightest of its type. Attached metal cap and belt clip. Holds 1 quart.

U644 wt. 4 oz. \$ 2.70



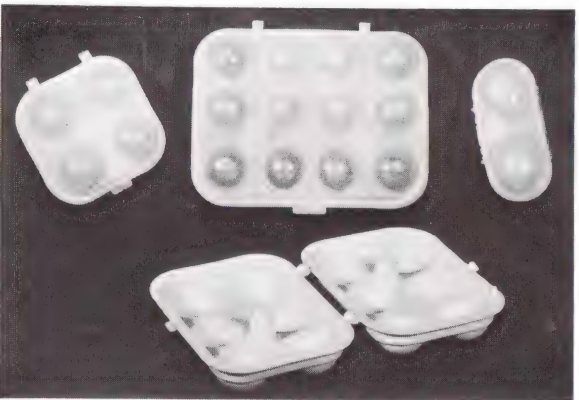
POLY-SQUEEZE TUBE. Solves the packaging problem for hard-to-carry foods; jams, margarine, honey, peanut butter. Refillable by disengaging the clip at the end. Eggs can be broken into the open tube; yolks will usually remain intact for quick and easy fried eggs in the morning.

U638 wt. ¼ oz. ea. \$.42
3 for \$ 1.25
Extra Clips 3 for \$.30



ALUMINUM PROVISION BOX. Comes with inner plastic container and hermetically sealing inside cover. The best way to pack butter, jams, condiments. Plastic insert is light and odorless.

U835 2" x 3½" wt. 2½ oz. \$ 1.40
U840 2½" x 4" wt. 3 oz. \$ 1.50
U847 2½" x 4½" wt. 4½ oz. \$ 2.00



PLASTIC EGG BOXES. Hard plastic; will not dent or crush. Condiment containers included.

U802 2-egg wt. 1 oz. \$.35
U804 4-egg wt. 2½ oz. \$.60
U806 6-egg wt. 3½ oz. \$.95
U812 12-egg wt. 6 oz. \$ 1.30



ALUMINUM SCOUT KETTLES. Swiss-made nesting kettles of first-quality workmanship. Securely fastened bail handles which lock into upright position. The lid of each kettle also serves as plate or pan.

U016 .. 2½ pint .. 6¼" dia. .. wt. 8¾ oz. ... \$ 4.00
U018 .. 3½ pint .. 7¼" dia. .. wt. 11½ oz. ... \$ 4.50
U020 .. 5½ pint .. 8" dia. wt. 14½ oz. ... \$ 5.35
U022 .. 7 pint ... 8¾" dia. wt. 17½ oz. ... \$ 6.00
U024 .. 8½ pint .. 9¾" dia. wt. 20 oz. \$ 7.00



ALUMINUM DEEP PLATE. Light aluminum. Rounded edges. 8" diameter.

U401 wt. 3 oz. \$ 1.00



STEEL FRY PAN. Far superior to aluminum for frying. Detachable handle.

U130 8¾" dia. wt. 12 oz. \$ 2.50



SIERRA CLUB CUP. Classic stainless steel design, far superior to other metals as it is less prone to heat up when filled with hot liquids. The steel wire handle remains cool and can be easily hooked onto belt. Useful for stews, cereals, etc., as well as beverages. 4½" top diameter, 3-1/8" at base, 1¾" deep, nesting.

U400 wt. 3 oz. \$ 1.25



PLASTIC CUP. Tough, flexible polypropylene. Marked in ¼-cup increments. Cups nest for packing. Color: green.

U405 wt. 1 oz. \$.25

SPATULAS. Rustproof, light stainless steel blade. Hardwood handle with brass rivets.

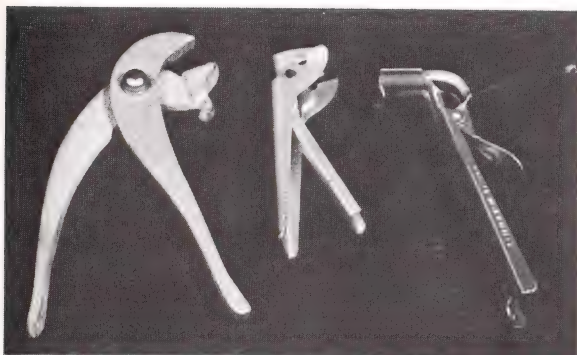
U901 2" x 2¾" blade wt. 1½ oz. \$ 1.75
U902 2" x 4" blade wt. 2½ oz. \$ 2.00

HANDY OPENER. Tiny, lightweight, efficient folding can opener. Doubles as screwdriver and lid pryer.

U910 wt. 1/8 oz. \$.15

KNIFE FORK SPOON SET. British import. All aluminum with Sheffield stainless steel knife blade. Clip holds utensils firmly together.

U403 wt. 3 oz. \$ 1.75



HOT POT TONGS. Lightweight aluminum for gripping hot pots. Hook for lifting wire bales.

U905 wt. 3¼ oz. \$ 1.25

ALUMINUM POT GRIPPER. Simple, very lightweight. 4¼" long.

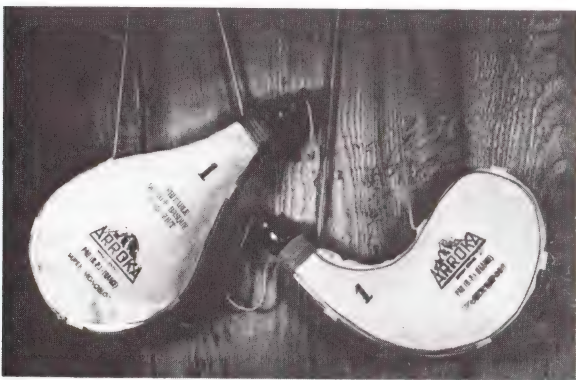
U906 wt. 1½ oz. \$.60

STEEL POT GRIPPER. Spring-loaded grip. Stronger for heavy pots than aluminum. 6" handle.

U907 wt. 3¼ oz. \$.85

SALT AND PEPPER SHAKER. Imported 2-section plastic container. Flip-up cap prevents spilling.

U800 wt. 1¼ oz. \$.60



BOTAS. Authentic Basque winebags. Made of natural tan suede. Lined with tasteless clear coating to protect contents. Red sling cord. Contents can either be poured from the filler spout or squirted directly into the mouth.

U680 .. 1 quart kidney shape wt. 6 oz. \$ 7.00

U681 . 1½ quart kidney shape wt. 6½ oz. \$ 8.00

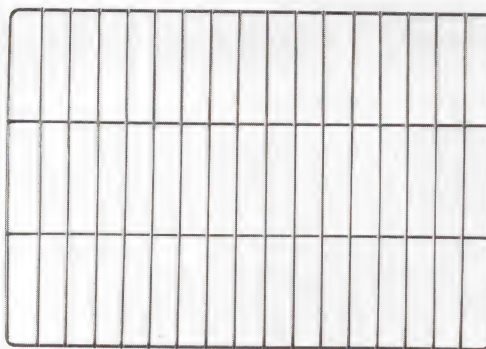
U682 . 1 quart teardrop shape wt. 5 oz. \$ 6.00

U683 . 1½ quart teardrop shape wt. 6 oz. \$ 7.00



BACKPACKER GRILL. Lightweight and adaptable. Stainless steel tube construction. Large enough for two average-sized pots. Includes lightweight fabric case. 5" x 15½".

U504 wt. (w/case) 4 oz. \$ 6.00



WIRE GRILL. Simple lightweight platform without legs. Nickel-plated steel. 9" x 13".

U502 wt. 7 oz. \$ 1.50



SIGG COOKSET. 2, 2½, and 3 quart aluminum pots. 8¼" steel fry pan/lid. Aluminum pot gripper, wire handle.

U302 wt. 2 lbs. 6 oz. \$10.75



SAFARI ONE-MAN COOKSET. Spun aluminum from West Germany. Includes 8" plate, 7" fry pan, 6" dia. pot with lid, spoon-fork combination, spring pot gripper, and plastic cup. Packs into neat unit 2½" x 8" diameter. Exceptionally lightweight and an excellent value.

U301 wt. 17½ oz. \$ 4.50



TWO-MAN MOUNTAIN COOKSET. Strong and compact aluminum 3-piece set consisting of two pots with bail handles and a fry pan with folding wire handle.

U303 wt. 21 oz. \$ 4.75



ALUMINUM 4-MAN COOKSET. 6, 4, and 2 quart pots. 9¼" Teflon coated fry pan/lid. 8¼" fry pan/lid. 2 quart coffee pot w/lid. Four plates, 2 detachable handles, 4 plastic cups. Entire set nests in largest pot.

U304 wt. 4½ lbs. \$12.00

KEY TO SUPPLIERS

RM Richmoor
DL Dri-Lite
W Wilson
O Oregon Freeze-Dried

All weights are supplied by manufacturers.
All prices are subject to change without notice.
Discount policy:

1. 10% discount on all orders over \$100.00.
2. 20% discount on all orders over \$250.00.*
3. 30% discount on all orders over \$500.00.*

Please allow 3 weeks shipment on 20% and 30% discount orders.

*Applies to Richmoor items only.



SPORTADE. For the active person who has worked up a sweat and needs a pick-me-up. A quick-acting food supplement which replenishes the natural body fluids which are lost during periods of activity. Sportade is presently being used by high school and college athletic teams across the country, and was used by the 1968 Olympic Team in Mexico City. Individual can is mixed with one quart of water.

Individual cans wt. 3½ oz. \$.30

VINYL FOOD BAGS. 5" x 11" with tie-tape closure. Heavy-duty vinyl.

U950 wt. 1½ oz. \$.55

PLASTIC FOOD BAGS WITH CLIPS. Reusable strong polyethylene bag with patented clip for airtight closure. Packaged in units of 11.

U972 2" x 4" x 12" \$ 1.75

U975 3" x 6" x 15" \$ 2.10

U978 4" x 6" x 18" \$ 2.65

POLYETHYLENE BAGS. Lightweight (.0015 gauge), durable, tear resistant, odorless.

U962 4" x 2" x 12" 50 bags \$.50

U965 6" x 3" x 15" 50 bags \$.75

U968 6" x 4" x 18" 50 bags \$ 1.00

Item	net wt.	servings	price
------	---------	----------	-------

BREAKFAST DISHES

Familia Birchemuesli	13 oz.		.92
Eggs 'n' bac-o-bits (RM)	4½ oz.	4	1.15
Eggs 'n' bac-o-bits (RM)	2½ oz.	2	.65
Scrambled eggs (RM)	3½ oz.	4	1.00
Pancake mix (RM)	11½ oz.	4	.50
Maple syrup mix (RM)	6½ oz.	4	.35
Blueberry syrup mix (RM)	6½ oz.	4	.40
Oatmeal w/sugar and milk (RM)	10½ oz.	4	.50
Western omelette (RM)	4½ oz.	4	1.15
French toast mix (RM)	4½ oz.	4	.70

"Astro" freeze-dried eggs.

Produced by Richmoor for the Apollo 12 moon flight. Butter has been added for even better tasting eggs 3 oz. 2 1.65

DINNER DISHES WITH MEAT

Creamed chicken w/noodles (DL) ..	11 oz.	4	2.30
Vegetable beef stew (RM)	8½ oz.	4	2.60
Vegetable beef stew (RM)	4½ oz.	2	1.60
Chili mac w/beef (RM)	11½ oz.	4	2.10
Quick chicken rice dinner (RM) ..	11 oz.	4	2.05
Quick chicken rice dinner (RM) ..	5½ oz.	2	1.45
Western hash w/beef (RM)	10 oz.	4	2.25
Chili con carne ranchero (RM)	12½ oz.	4	2.25
Chili con carne ranchero (RM)	6½ oz.	2	1.45
Beef stroganoff w/noodles (RM)	12½ oz.	4	2.40
Beef stroganoff w/noodles (RM)	6½ oz.	2	1.50
Chicken à la king (RM)	6½ oz.	4	1.65
Turkey supreme w/noodles (RM) ..	13½ oz.	4	2.35
Sunset supper (DL)	7½ oz.	4	2.25
Spaghetti w/meatballs (RM)	13½ oz.	4	2.40
Spaghetti w/meat sauce (RM)	7½ oz.	2	1.40
Ham 'n' beans	15 oz.	4	2.55
Ham & cheese dinner (RM)	12 oz.	4	2.35
Freeze-dried ham & eggs (RM)	6½ oz.	4	3.45
Shrimp creole (RM)	10½ oz.	4	2.60
Corned beef (RM)	8 oz.	4	2.65
Chicken romanoff (RM)	13 oz.	4	2.55
Chicken pilaf (RM)	13 oz.	4	2.75
Chicken stew (RM)	9 oz.	4	2.95
Chicken stew (RM)	4½ oz.	2	1.50
Beef stew (O)	3½ oz.	2	1.45
Chicken stew (O)	3½ oz.	2	1.35
Beef w/rice (O)	4½ oz.	2	1.30
Pork & potatoes (O)	4½ oz.	2	1.35
Beef hash (O)	4½ oz.	2	1.45
Beef chop suey (O)	3½ oz.	2	1.45
Chicken chop suey (O)	3½ oz.	2	1.45
Chunk chicken (O)	3½ oz.	2	1.25
Beef almondine (O)	3-1/3 oz.	2	1.25
Tuna a la neptune (O)	3½ oz.	2	1.25
Turkey tetrazzini (O)	3-1/5 oz.	2	1.25

MEATLESS DINNER DISHES

Chili 'n' beans (DL)	10 oz.	4	.88
Spanish rice (RM)	9½ oz.	4	1.10
Vegetable stew (DL)	5 oz.	4	.88
Macaroni & cheese (RM)	13 oz.	4	1.10
Spaghetti w/italian sauce'	13 oz.	4	1.05
Chili w/beans (O)	5½ oz.	2	1.30

Item	net wt.	servings	price
------	---------	----------	-------

RICHMOOR PACKAGED MENUS — ave. wt. under 2 lbs.

Breakfast No. 1	30 oz.	4	2.10
instant applesauce			
pancake mix			
maple syrup mix			
sweet milk cocoa			
vegalene			
Breakfast No. 2	22½ oz.	4	2.95
orange juice drink			
eggs 'n' bac-o-bits			
hashed brown potatoes			
sweet milk cocoa			
vegalene			
Breakfast No. 3	38½ oz.	4	3.45
peach slices w/sugar			
brown 'n' serve sausage			
cornbread mix			
maple syrup mix			
sweet milk cocoa			
vegalene			
Breakfast No. 4	23½ oz.	4	3.85
instant applesauce			
scrambled eggs w/freeze-dried ham			
hashed brown potatoes			
sweet milk cocoa			
vegalene			
Breakfast No. 5	31 oz.	4	3.15
fruit cocktail w/sugar			
western omelette			
sierra coffee cake			
sweet milk cocoa			
vegalene			
Complete Breakfast for 2	14 oz.	2	2.10
applesauce			
eggs 'n' bac-o-bits			
potatoes o'brien			
sweet milk cocoa			
vegalene			
Lunch No. 1	19-5/8 oz.	4	2.95
swiss cheese w/bac-o-crisps			
melba toast			
beef jerky			
fruit punch			
Lunch No. 2	30½ oz.	4	2.95
spicy apple chips			
grape jelly spread			
peanut butter spread			
pilot biscuits			
vanilla shake mix			
Lunch No. 3	35-3/8 oz.	4	3.15
canned corned beef			
blackberry jelly spread			
pilot biscuits			
chocolate shake mix			
Lunch No. 4	36 oz.	4	3.35
canned chopped beef			
cheddar cheese spread			
pilot biscuits			
strawberry shake mix			

Item	net wt.	servings	price
Lunch No. 5	25½ oz.	4	3.75
white meat tuna salad spread			
pilot biscuits			
lemon-lime fruit beverage			
Gorp trail snack			
Lunch No. 6	24 oz.	4	3.40
chicken salad			
pilot biscuits			
banana chips			
orange beferage			
Dinner No. 1	28¾ oz.	4	3.60
chicken rice soup			
chili mac w/beef			
chocolate pudding			
fruit punch beverage			
Dinner No. 2	27¼ oz.	4	3.65
freeze dried corn			
chicken a la king			
instant mashed potatoes			
vanilla pudding			
orange beverage			
Dinner No. 3	37 oz.	4	4.45
tomato noodle soup			
vegetable beef stew			
dumplings (biscuit mix)			
butterscotch pudding			
pineapple-orange beverage			
Dinner No. 4	26¾ oz.	4	3.65
vegetable beef soup			
quick chicken rice dinner			
french apple compote			
lemon beverage			
Dinner No. 5	27½ oz.	4	3.80
french onion soup			
beef stroganoof w/noodles			
instant lemon pie mix			
grape beverage			
Dinner No. 6	32 oz.	4	4.65
beef bouillon			
chicken stew			
lemon-lime beverage			
raspberry cobbler			
Complete Dinner for 2	16 oz.	2	2.20
spaghetti w/meat sauce			
beef bouillon			
chocolate pudding			
fruit punch beverage			

OREGON FREEZE-DRIED INDIVIDUAL LUNCHES (by Tea Kettle)

Chunk chicken w/rice & carrots	1¼ oz.	1	.45
Beef almondine w/vegetables			
& macaroni	1-1/6 oz.	1	.45
Tuna a la Neptune	1-1/6 oz.	1	.45
Turkey Tetrizzini w/asparagus	1 oz.	1	.45

Item	net wt.	servings	price
BEVERAGES			
Wylers fruit-ade mixes			
Strawberry	3 oz.	1 qt.	2/.25
Cherry	3 oz.	1 qt.	2/.25
Grape	3 oz.	1 qt.	2/.25
Orange	3 oz.	1 qt.	2/.25
Lemonade	3 oz.	1 qt.	2/.25
Pink Lemonade	3 oz.	1 qt.	2/.25
Lime	3 oz.	1 qt.	2/.25
Fruit Punch	3 oz.	1 qt.	2/.25
Root Beer	3 oz.	1 qt.	2/.25
Nestle instant cocoa	1 oz.	1	.85/dz.
Freeze-dried coffee (in can)	2 oz.	40 cups	1.00
Freeze-dried coffee (foil packet)	1.2 gm.	1 cup	.05
Freeze-dried orange juice drink (RM)	5 oz.	1 qt.	.75
Grapefruit juice drink (RM)	5 oz.	1 qt.	.85
Pineapple juice drink (RM)	5 oz.	1 qt.	.75
Instant tomato juice (RM)	2¼ oz.	¾ qt.	.40
Chocolate shake (RM)	10¼ oz.	4	.70
Strawberry shake (RM)	10 oz.	4	.65
Vanilla shake (RM)	10 oz.	4	.65

photo/Steve Miller



Item	net wt.	servings	price
MEATS			
Beef jerky	1 oz.		\$.79
Beef jerky	4 oz.		1.83
Beef jerky	8 oz.		3.65
Beef jerky	16 oz.		7.30
Beef steaks (W)	2 oz.	2	2.50
Pork chops (W)	2 oz.	2	1.50
Hamburgers (W)	3¼ oz.	2	2.00
Diced Ham (W)	1 oz.	2	.69
Beef patties (W)	2 oz.	2	1.35
Pork patties (W)	2 oz.	2	1.50
Meatballs (W)	1¼ oz.	2	1.15
Meat bars (W)	3 oz.		1.40
Bacon bars (W)	3 oz.		1.18
Ground hamburger (RM)			
for use as an additive	1½ oz.		1.10
Freeze-dried chicken (RM)			
for use as an additive	1½ oz.		1.10
Freeze-dried beef (RM)			
for use as an additive	1¼ oz.		1.20
Freeze-dried ham (RM)			
for use as an additive	1¼ oz.		1.55
Freeze-dried corned beef			
for use as an additive	1¼ oz.		1.70
Diced Chicken (RM)			
for use as an additive	1½ oz.		.90

Item	net wt.	servings	price
------	---------	----------	-------

FRUITS, SALADS AND DESSERTS

Sierra salad (gelatin mix) (DL)	4 oz.	4	.55
Fruit salad (DL)	6 oz.	4	.70
Tuna salad (RM)	3 oz.	4	2.00
French apple compote (RM)	5½ oz.	4	.60
Wild cherry gel-dessert (RM)	5¼ oz.	4	.40
Puddings:			
Chocolate (RM)	6 oz.	4	.55
Chocolate (RM)	3½ oz.	2	.35
Toasted coconut (RM)	5½ oz.	4	.45
Lemon (RM)	6 oz.	4	.45
Vanilla (RM)	5 oz.	4	.45
Butterscotch (RM)	5 oz.	4	.45
Banana creme (RM)	6 oz.	4	.55
Chocolate creme pie (RM)	11½ oz.	4	.80
Lemon pie (RM)	10½ oz.	4	.65
Raspberry cobbler (RM)	11½ oz.	4	.95
Blueberry cobbler (RM)	11½ oz.	4	.95
Pineapple cheesecake (RM)	12 oz.	4	.95
Fudge brownies w/nuts (RM)	11½ oz.	4	.85
Apricot slices w/sugar (RM)	6 oz.	4	.95
Peach slices w/sugar (RM)	6 oz.	4	.95
Fruit cocktail w/sugar (RM)	6 oz.	4	.90
Instant applesauce w/sugar (RM)	4½ oz.	4	.60
Instant applesauce (RM)	2½ oz.	2	.40
Spiced apple chips (RM)	3½ oz.	4	.80
Crunchy banana chips (RM)	4 oz.	4	.60
Rainbow fruit chips (RM)	4 oz.	4	.80
Fruit mix (RM)	4 oz.	4	.75
Apple slices (RM)	4 oz.	4	.75
Pear slices (RM)	4 oz.	4	.60
Pineapple (RM)	6 oz.	4	.80
Strawberries (sliced) (O)	1 oz.	2	.62
Plums (sliced) (O)	2 oz.	2	.48
Peaches (sliced) (O)	1 oz.	2	.48
Pears (sliced) (O)	1 oz.	2	.48

HIGH ENERGY LUNCH AND SNACK FOODS

Hershey tropical no-melt chocolate	1 oz.	1	2/.15
H&M Kwik-lunch	4 oz.	1	.70
H&M pemmican fruit bar	1 oz.	1	.17
H&M trail biscuits (pkg. of 8)	5 oz.		.35
H&M chocolate malt tabs	4 oz.		.40
H&M cherry sucrose drops	4 oz.		.30
Ricola Swiss herb candy	3 oz.		.50
Tex-schmeltz traubenzucker			
lemon or chocolate candy	2 oz.		.25
Semi-sweet chocolate	8 oz.		.55
Cheddar cheese spread (RM)	4 oz.		.80
Instant egg salad spread (RM)	4½ oz.		1.40
Instant ham salad spread (RM)	5 oz.		2.15
Instant chicken salad spread (RM)	3½ oz.		1.65
Swiss cheese w/bac-o-crisps (RM)	4½ oz.		.75

Item	net wt.	servings	price
------	---------	----------	-------

Crunchy peanut butter (RM)	4 oz.		.55
Grape jelly (RM)	2½ oz.		.30
Blackberry jelly (RM)	2½ oz.		.30
Smoky Bac-O Chiplets	5 oz.		.55
"Gorp" (nuts, chocolate, raisins) (RM)	6 oz.		.70
"Gorp"	2½ oz.		.35
Trail snack (RM)	10 oz.	2	1.75
2 chocolate bars			
2 quick-energy bars			
beef jerky			
trail cookies			

SOUPS

Maggi Swiss soups	2½ oz.	4	.36
pea w/ham			
mushroom			
oxtail			
minestrone			
chicken noodle			
chicken flavored cream soup			
spring vegetable			
egg macaroni			
yellow pea w/bacon			
spaghetti w/meatballs			
rice w/mushrooms			

VEGETABLES

Instant mashed potatoes (RM)	7 oz.	4	.45
Hashed brown potatoes (RM)	6 oz.	4	.55
Potatoes O'Brien (gourmet hashed browns w/freeze-dried peppers and onions) (RM)	6 oz.	4	.70
Potatoes O'Brien (RM)	3 oz.	2	.40
Corn (RM)	2½ oz.	4	.70
Peas (RM)	2½ oz.	4	.70
Peas and carrots (RM)	2½ oz.	4	.65
Green beans (RM)	1 oz.	4	.75
Carrot slices (RM)	3 oz.	4	.50
Tomato flakes (DL)	1 oz.	4	.45

MISCELLANEOUS ITEMS

Darigold canned butter	16 oz.		\$1.75
Sourdough starter	½ oz.		1.00
Gravy quick	1½ oz.		.21
Vegalene	4 oz.		.75
Biscuit mix (RM)	11½ oz.	4	.45
Cornbread mix (RM)	10 oz.	4	.45
Pilot biscuits (RM)	10 oz.		.70
Beef flavored brown gravy (RM)	2 oz.		.35

KLEPPER



KLEPPER FOLDBOATS have been sailed across the Atlantic Ocean twice—a marvelous feat for a boat that can be carried by one man, stowed in the trunk of a car, and erected in 15 minutes. The secret is in the Klepper engineering. This remarkable craft has been in the process of perfection for over 50 years. The individual parts, straight-grained mountain ash with anodized aluminum fittings, lock into a tight and flexible framework. The hull is a tough laminate of rubber and canvas, fitting perfectly over the frame.

Undoubtedly the finest of their breed, Klepper foldboats have been a standard on many expeditions to the arctic and tropic regions of the world. Klepper models include single and double seat kayak, row boats, motor boats, and sailing sloops. All Klepper foldboats are equipped with built-in air sponsons which render them unsinkable.

For prices and information on Klepper boats (including rigid fiberglass shells and accessories), please write to us for illustrated brochure.

COLIN FLETCHER

THE THOUSAND MILE SUMMER. The author's own story of his walk from the Mexican border to Oregon via California's backbone, across Death Valley and along the Sierra Nevada crest. . . . \$ 4.95

THE MAN WHO WALKED THROUGH TIME. An exciting record of Mr. Fletcher's walk through the Grand Canyon. . . . \$ 6.95

THE COMPLETE WALKER. The long-awaited, straight-forward, practical handbook for the modern backpacker, beginning or experienced walker. Fletcher avoids the "old woodsman" approach which clutters most books on camping and backpacking technique. From his own experience—and avoiding generalities—he compares weights, quality and cost of boots, socks, packs, tents, tarps, accessories, food, etc., and gives advice ranging from the selection of gear to the best utilization of air drops. The most down-to-earth and up-to-date guide book for the serious walker yet published. . . . \$ 7.95

NATURE PHOTOGRAPHY

THE COMPLETE BOOK OF NATURE PHOTOGRAPHY. Russ Kinne. By a working naturalist and skilled photographer. Provides information on equipment and technique that will interest and instruct the advanced as well as beginning nature photographer. Photography of rocks, minerals, underwater life, insects, birds, mammals, etc. Many photographs. . . . \$ 8.95

PHOTOGRAPHING NATURE. David Linton. Information for beginner and expert. Techniques of photographing plants, animals, and landscapes. Advice on field photography, cold weather photography, underwater, etc. Plates. . . . \$ 1.95

MOMENT IN THE SUN. Rienow and Rienow. A report on the deteriorating quality of the American environment. An angry attack on the exploiters of our natural resources. . . . \$.95

BIRDS OF NORTH AMERICA. Robins, Bruun and Zim. Identify birds quickly and accurately in the field. Full color plates. Complete descriptions, common and scientific names, range maps, etc. . . . \$ 3.95

GRIZZLY COUNTRY. Andy Russell. After 40 years of bear-watching, Mr. Russell reveals the natural history of the grizzly, his habitat and range, his habits, his antics, his food, his life cycle and much about his temperament and personality. 32 pages of photographs. . . . \$ 7.95

VOICES FOR THE WILDERNESS. William Schwartz, ed. From the Sierra Club Wilderness Conferences. The key papers that have shaped the growing movement to preserve the wilderness. . . . \$ 1.25

MAN IN THE WEB OF LIFE. Storer. Unifying all the sciences, the author tells how man can and must create a better world for himself. . . . \$.95

THE WILDERNESS WORLD OF THE GRAND CANYON. Ann and Myron Sutton. "Leave it as it is." A thorough and illuminating view of the abuse the Canyon suffers and the danger it faces. The geologic history of the Canyon and the history of man in the Canyon. More than half the book is devoted to hiking the inner canyon's trails and the harsh canyon environment. 50 breathtaking photographs by Philip Hyde. . . . \$ 8.95

LIFE AND DEATH OF THE SALT MARSH. John and Mildred Teal. An important book on ecology and conservation, and at the same time a work of art. Drawings by Richard G. Fish. . . . \$ 1.25

WALDEN AND OTHER WRITINGS. Thoreau. A treasury of Thoreau's great works with introduction by Joseph Wood Krutch. . . . \$.95

THE WILDERNESS SAMPLER. The variety of nature in its many moods in selections from such great writers as Melville, Hardy, Poe, Muir, Twain, Thoreau, and others. . . . \$ 5.95

SINCE SILENT SPRING. Frank Graham, Jr. The story of Rachel Carson's book, the furor it caused, the effect it has had, and the problems that remain unsolved. . . . \$.95

THE CALIFORNIA CONDOR. Carl B. Koford. The natural history of the rarest of North American birds. A definitive study. 31 rare photographs of the condor in natural settings. \$ 2.50

CONCEPTS OF ECOLOGY. Edward J. Kormondy. A technical introduction. Significant concepts of modern ecology are emphasized with a minimum of technical jargon. . . . \$ 3.95

THE ALIEN ANIMALS. George Laycock. The story of imported wildlife. Twenty case histories of the effect on the introduced animal and on the balanced community of plants and wildlife. . . . \$.95

A SAND COUNTY ALMANAC: With Other Essays on Conservation. Aldo Leopold. An enduring statement of principles that should guide our whole conservation program embodied in a gifted writer's sensitive response to the beauty of the natural world. Now in paperback. . . . \$ 1.75

THE FRAIL OCEAN. Wesley Marx. An important book by a concerned conservationist. An urgent warning that the abuse of our greatest natural resource is finally taking its toll. \$.95

WILDLIFE IN AMERICA. Peter Matthiessen. History of man's effect on the wildlife of the North American continent. Over 100 drawings by Bob Hines. . . . \$ 1.95

THE MOUNTAINS OF CALIFORNIA. John Muir. Published in cooperation with the American Museum of Natural History. Muir at his best writing as a conservationist, practicing geologist, and an eloquent essayist. . . . \$ 1.45

THE YOSEMITE. John Muir. A descriptive guide to Yosemite Nat'l Park by one of its founders and greatest champions. Directions for walks and hikes, descriptions of the park's flora and fauna, its canyons, falls, and peaks. Published in cooperation with the American Museum of Natural History. . . . \$ 1.25

SCIENCE AND SURVIVAL. Barry Commoner. An urgent warning and an eloquent plea to every citizen to join the task of safeguarding the future of mankind. . . . \$ 1.65

WILDERNESS AND PLENTY. Frank Fraser Darling. A scientific and sometimes poetical analysis of our environmental problems with a view toward the future. Written from a broad time perspective by a pioneer ecologist. . . . \$.95

THE DESTRUCTION OF CALIFORNIA. Raymond Dasmann. A challenging account of the conservation crisis in California. Applies to all areas where private interests are allowed to destroy the natural heritage of man. . . . \$ 1.50

THE ENVIRONMENTAL HANDBOOK. Garrett de Bell. Prepared for the first national environmental teaching. Numerous contributors discuss the meaning of ecology, the major problems and what action can be taken right now in any community. \$.95

THE POPULATION BOMB. Paul Ehrlich. Overpopulation is the dominant problem facing us today. Dr. Ehrlich describes the crisis in all its aspects and provides a realistic evaluation of the remaining options. . . . \$.95

HOW TO BE A SURVIVOR. Paul Ehrlich. A plan to save spaceship Earth. Details what you as a citizen can and must do to save the environment and keep the world alive. . . . \$ 1.25

THE ECOLOGY OF ANIMALS. Charles Elton. The scope of animal ecology; statistically, dynamically, and economically. . . . \$ 1.75

HISTORY OF THE SIERRA NEVADA. Francis Farquhar. A highly readable and scholarly history in depth of the great California range. . . . \$ 2.65

WILDLIFE IN DANGER. Fischer, Simon & Vincent. Authoritative information on mammals, birds and other animals and plants of the world that are threatened with extinction. Based on the files of the Survival Service Commission of the International Union for Conservation of Nature and Natural Resources. Essential reading for anyone concerned about the living things of our planet. Beautifully illustrated in color and black and white. . . . \$12.95

Books are shipped postpaid within the United States.

NATURAL HISTORY AND ECOLOGY

THE FOREST AND THE SEA. Marton Bates. A look at the economy of nature and the ecology of man. \$ 1.65

THE UNCLEAN SKY. Battan. A report on the deteriorating quality of our atmosphere. . . . \$ 1.45

THE LONG-LEGGED HOUSE. Wendell Berry. The testament of a poet-naturalist in the tradition of Thoreau and Leopold. . . . \$ 1.25

ROADLESS AREA. Paul Brooks. A prize-winning author's eloquent book about the need to preserve the wilderness and the joys of experiencing it. . . . \$ 1.25

OIL ON ICE. Tom Brown. The battle between petroleum and wilderness. The sparkling tundra of Alaska's North Slope is where it is being fought. A Sierra Club Battlebook. . . \$ 1.95

READING THE WOODS. Vinson Brown. Seeing more in nature. The effects of climate, weather, animals and man on our forests. Many photographs and drawings. . . . \$ 5.95

SILENT SPRING. Rachel Carson. An indictment of the chemical warfare that is irresponsibly and indiscriminately waged against insects and weeds, and the disastrous consequences. . . . \$.95

HAWKS, OWLS AND WILDLIFE. John J. Craighead and Frank C. Craighead, Jr. The dynamics and ecology of raptor predation. . . . \$ 3.75

NATURE—PICTORIAL

DEATH VALLEY. Ansel Adams and Nancy Newhall. 1970 revised edition. A collection of spectacular photographs in color and black and white by Adams. History and guide to this unique region by Newhall. Large format. \$ 5.95

YOSEMITE VALLEY. Ansel Adams. A collection of some of the finest work of the master photographer. Included is a section giving advice on Yosemite photography. 45 plates. \$ 4.95

GLACIER BAY: The Land and the Silence. Dave Bohn. This land is no gentle wilderness but rugged country which yields up its beauty to the rare person who will meet its challenge. The many superb exhibit-size photos were taken by the author over a five-year period, during which he spent forty weeks at Glacier Bay. Accompanied by a detailed historical profile of the area, illustrated with drawings, engravings, and photos plus a long selection from Bohn's *Glacier Bay Journal*. \$15.00

ALDABRA ALONE. Tony Beamish. A description of the animals and birds that dwell on this soilless and waterless atoll in the Indian Ocean and of a journey around the island's seventy-mile rim of coral so sharp that it cuts climbing boots to ribbons. Beamish also tells of a campaign to save Aldabra from the threatened construction of an airfield which would destroy this scientific wonder. 24 photographs in color and black and white. . . . \$ 7.95

EVERGLADES. Patricia Caufield. The culmination of seven years work in the field is realized in the 65 color plates reflecting the dynamic life force of a wilderness like nothing else on this planet. Accompanying Miss Caufield's photographs are selections from the writings of Peter Matthiessen and a six-chapter essay by John Mitchell, editor-in-chief of the *Sierra Club*. \$27.50

EVEREST—THE WEST RIDGE. Tom Hornbein. A moving account of the 1963 American Everest Party's first ascent of the West Ridge; from its inception, through the rain forest of Nepal, to its triumphant climax on the starkly beautiful summit ridge. 90 color plates. \$25.00
Abridged paperback edition . . . \$ 3.95

NAVAJO WILDLANDS: As Long as the Rivers Shall Run. Photographs by Philip Hyde. Text by Stephen C. Jett with selections from Willa Cather, Oliver LaFarge and others. Appropriate quotations from the Navajo Creation Myth and from Navajo chants. A book about the land of the Navajo, about what man has done to it and for it. What it has been and what it can be. 75 full color photos record the drama and the grandeur of this country. Large fold-out map of the area at back of book. \$25.00
Paper \$ 3.95

NOT MAN APART. Text by Robinson Jeffers; photographs by Edward Weston and Ansel Adams. Combining the work of the poet with photographers who have been inspired by the Carmel-Big Sur area of the California coast. This book is an eloquent statement of the interdependence of Man and his natural environment. 96 plates, 32 in color. \$25.00
Paper \$ 3.95

TIME AND THE RIVER FLOWING—GRAND CANYON. Francois Leydet. The Bureau of Reclamation has proposed the building of dams within the Grand Canyon itself. This would not only destroy the living river, but also unique life forms that depend upon the river. The author of "The Last Redwoods" has turned his reportive talents toward the forces that would needlessly destroy that which cannot be replaced. 100 color plates by many of America's greatest photographers. \$ 3.95

GENTLE WILDERNESS—THE SIERRA NEVADA. Text by John Muir, photographs by Richard Kauffman. "A cool Sierra wind blows through Mr. Kauffman's color photographs, a gentle wind. The light is that of the gentle hours, warm light on a friendly, inviting land" (D. Brower). 72 color plates. \$25.00
Paper \$ 3.95

GALAPAGOS—THE FLOW OF WILDNESS. Eliot Porter. This is a two-volume set, enclosed in slipcase, printed in the Sierra Club Exhibit Format. Possibly the most beautiful and comprehensive Sierra Club publication to date, it features 138 full-page color plates by Eliot Porter, which paint a vivid and detailed picture of the rugged scenery and rare animal life of Galapagos. Text by Loren Eiseley and John P. Milton. Historic chronicles by Darwin, Melville, seamen and scientists. \$55.00

IN WILDNESS IS THE PRESERVATION OF THE WORLD. Eliot Porter. The first of Porter's Exhibit Format books for the Sierra Club, this book is a photographic masterpiece and has won many awards for photo and design excellence. Text from Henry David Thoreau. Introduction by Joseph Wood Krutch. \$25.00
Paper \$ 3.95

THE PLACE NO ONE KNEW—GLEN CANYON ON THE COLORADO. Eliot Porter. A Glen Canyon happens only once; there is no scenic climax anywhere that can quite approach it. In its last days, Eliot Porter followed the winding river and delved into its secret places, recording with perceptive camera the beauty he found there. The exquisite color reproductions blend with the timeless text. 72 color plates. \$25.00
Abridged paperback edition . . . \$ 3.95

THE ALPS. Matao Sanuki and Keiichi Yamada. 98 colorful photographs of this beautiful region with brief historical text. Maps \$ 1.95

THE HIMALAYAS—A JOURNEY TO NEPAL. Takehide Kazami. 110 beautiful color plates of this little-known land, with accompanying text. Mountains, wildlife, people, customs, etc. Includes maps. An extraordinary value. \$ 1.95

EDGE OF A CONTINENT. Don Greame Kelley. The Pacific coast from Alaska to Baja—the shore, the islands and inlets, the forests, the deserts, the mountains, the glaciers, the plants and animals. Over 200 photos, diagrams, drawings and maps. \$17.50

ALMOST ANCESTORS: The First Californians. Theodora Kroeber and Robert Heizer. An informed and deeply compassionate book about the Indians of California. This Sierra Club publication contains 117 black and white photographs from the archives of the Lowie Museum and the Southwest Museum which exemplify the proud and rugged men, women, and children of the Yokut, Pomo, Yuma, Mojave, Hupa, and other tribes that have now almost vanished. \$15.00

BAJA CALIFORNIA and the Geography of Hope. Text by Joseph Wood Krutch. Photographs by Eliot Porter. Selections from Octavio Paz. An appreciation of one of the remaining islands of wilderness and hope in provocative text and 73 full color photographs. Fold-out color map at back of book. \$25.00
Paper \$ 3.95

NATURAL HISTORY GUIDES

EARLY USES OF CALIFORNIA PLANTS. Edward K. Balls. . . \$ 1.75

THE SIERRA NEVADA WILDLIFE REGION. Brown & Livezey. Discusses the Sierra Nevada region as an ecological system; guides to identifying plants, animals, tracks, life zones. Over 400 illustrations. \$ 2.25

CACTI OF CALIFORNIA. E. Yale Dawson. \$ 1.50

FLOWERS OF POINT REYES NATIONAL SEASHORE. Roxana S. Ferris. 175 different flowers are described and illustrated in this comprehensive guide. \$ 2.65

WILD EDIBLE PLANTS OF THE WESTERN UNITED STATES. Donald Kirk. Preparation and uses, habitat and distribution, description and line drawings for 302 listings. Covers the entire western third of the U.S. including the Northwest, Southwest and Rocky Mountain area. \$ 3.95

STALKING THE WILD ASPARAGUS. Euell Gibbons. A delightful book on the recognition, gathering, preparation and use of the natural foods that grow wild all about us. Hundreds of detailed recipes. . . . \$ 2.95

STALKING THE BLUE-EYED SCALLOP. Euell Gibbons. Foraging our native seacoasts for food and pleasure. Includes accurate line drawings and recipes. \$ 2.95

FERNS AND FERN ALLIES OF CALIFORNIA. Steve J. Grillos. \$ 1.50

YOSEMITE WILDFLOWERS. Hood and Hood. Histories, illustrations, locations. Each listing is illustrated. \$ 1.50

CALIFORNIA MOUNTAIN WILDFLOWERS. Philip Munz. 96 color photographs, 180 line drawings, 2 maps in this colorful and easy-to-use guide. \$ 2.95

CALIFORNIA SPRING WILDFLOWERS. Philip Munz. Flowers found from the base of the Sierra Nevada and southern mountains to the sea. 96 color photographs, 173 line drawings, 2 maps. \$ 2.95

EDIBLE WILD PLANTS. Oliver Perry Medsger. The complete authoritative guide to identification and preparation of American edible wild plants. \$ 7.50

SIERRA NEVADA NATURAL HISTORY. Storer & Usinger. A very complete guide to the flora and fauna of the Sierra Nevada. Fully illustrated with detailed descriptions of plants, insects, fungi, birds, animals. . . \$ 4.95

COMMON EDIBLE AND USEFUL PLANTS OF THE WEST. Muriel Sweet. Clearly and attractively illustrated descriptive guide to useful plants: includes Indian lore, herbal medicine, food, and other plant uses. 116 drawings. \$ 1.50

CALIFORNIA TREE FINDER. Tom Watts. Covers all California species. \$ 1.00

MOUNTAINEER'S LIBRARY

DESERT SOLITAIRE: A Season in the Wilderness. Edward Abbey. A personal vision, deeply felt and communicated. Desert rat, novelist, and poet, Abbey writes: "The desert is . . . atonal, cruel, clear, neither romantic nor classical, motionless and emotionless at one and the same time . . ." \$ 5.95

CHALLENGE OF THE NORTH CASCADES. Fred Beckey. Thirty years of exploring the North Cascades by one of the first climbers and most persistent explorers of this region of sheer rock walls, gleaming glaciers and green forests. . . . \$ 7.95

I CHOSE TO CLIMB. Christian Bonington. The Cima Grande, the Eiger, the Southwest Pillar of the Dru, Annapurna, and Nuptse are some of the climbs described by this outstanding member of the new climbing generation. 43 photos. . . . \$ 4.00

THE HARD YEARS. Joe Brown. British climbing's "hard man" relates his mountaineering experiences all over the world. Of special interest is his account of the Anglo-Russian expedition to the Pamirs which ended with the tragic deaths of Wilfred and George Robinson. Provides more of the *raison d'être* of rock climbing than any other we've seen. Its modest purpose is simply to present the climbing scene in North Wales, but so much of the experience comes through that any climber can readily identify with it. 39 photos. . . . \$ 6.50

THE COLDEST CLIMB. Art Davidson. The first winter ascent of Mt. McKinley. An honest account of an expedition which, marred by death, was both a triumph and a disaster. . . . \$ 6.50

ROPE BOY. Dennis Gray. From his schoolboy climbs with the Bradford Lads to later climbs with Brown, Whillans, Sorrell, and others in the British Isles, the Alps, the Himalayas, and the Andes. An exciting document of considerable social interest and remarkably well constructed. . . . \$ 6.50

THE WHITE SPIDER. Heinrich Harrer. History of the North Face of the Eiger up to the 13th successful climb made in 1938. Reliable, informative, entertaining. . . . \$ 6.50

ALASKA WILDERNESS. Robert Marshall. Exploring the central Brooks Range. A vivid personal description of adventure in this remote arctic country. A book for everyone who loves the wilderness. . . . \$ 2.25

THE EXPLORATION OF THE COLORADO RIVER AND ITS CANYONS. John Wesley Powell. Reproduced from the original plates, this is the only uncut edition of Powell's narrative in the last 60 years. 250 fine illustrations and photographs. \$ 3.00

DEBORAH: A Wilderness Narrative. David Roberts. The story of a two-man expedition to climb the eastern side of Mount Deborah in Alaska. An effort both rash and heroic. . . \$ 6.95

THE MOUNTAIN OF MY FEAR. David Roberts. The ascent of the untouched western face of Alaska's Mt. Huntington—not only the story of the climb but also the personal and emotional encounter with the mountain. An intensely thrilling tale, beautifully told. . . . \$ 5.95

ON THE LOOSE. Terry & Renny Russell. Their own photographs and quotations in Terry's fine calligraphy. A Sierra Club book. Paperback edition . . . \$ 3.95

CONQUISTADORES OF THE USELESS. Lionel Terray. The autobiography of the famous French climber, who describes his ascents in the Alps, Himalayas, and South America. Over 80 excellent photos. . . . \$ 4.95

THE MOUNTAINEER'S COMPANION. Michael Ward, ed. Undoubtedly, the finest collection of mountaineering literature between two covers; 600 pages of classic accounts and anecdotes by the best mountaineer-writers, prose, poetry, and fascinating mountain esoterica such as "The First Rock Climb" from Indian folklore and an anonymous account of the great Ballon Accident in the Alps. 43 illustrations. . . . \$ 7.95

SCRAMBLES AMONGST THE ALPS. Edward Whymper. Maps, photographs, and excellent text on the Alps in one of the great classics of mountaineering literature. . . \$ 7.75

BECAUSE IT IS THERE. Walter Unsworth. Short biographies of famous climbers and mountaineers. Among those included are Mallory, Whymper, Mummery, Rey, Young and others. . . . \$ 2.50

AMERICANS ON EVEREST. James Ramsey Ullman. For the first time, an American climbing expedition reached the top of the world's highest peak by way of the South Col, and three weeks later climbed the same route, as well as a route by the West Ridge, which had never before been negotiated. 70 photos. . . . \$10.00

STRAIGHT UP. James Ramsey Ullman. The frank and revealing biography of the late John Harlin, recognized as America's foremost mountaineer of the '60s. Ullman writes of this complex man whose early activities included dress designing, writing, painting, piloting an air force jet, with increasing emphasis on climbing until the Eiger's Mordwand claimed its twenty-seventh victim. 51 black and white photos. . . . \$ 5.95

AREA GUIDES

MINERAL KING GUIDE. Pat Adler. History, ecology, trails and trips, and facilities of this beautiful and remote area. . . . \$ 1.00

BAJA CALIFORNIA OVERLAND. L. Burr Belden. Extensive photographs, maps, and a valuable list of suggested readings about this little-charted area. . . . \$ 1.95

GUIDE TO GRAND TETON AND JACKSON HOLE. Bonney & Bonney. Maps, trails, history, etc. Illustrated. . . . \$ 1.95

GUIDE TO THE WYOMING MOUNTAINS AND WILDERNESS AREAS. Bonney and Bonney. A comprehensive guide covering climbing routes as well as trails, etc. Profusely illustrated. 3rd edition. . . . \$10.00

Excerpts from this guide covering specific areas available as:

FIELD BOOK: ABSAROKA RANGE AND YELLOWSTONE PARK \$ 2.00
FIELD BOOK: BIG HORN RANGE

. . . . \$ 2.00
FIELD BOOK: THE TETON RANGE \$ 3.50

FIELD BOOK: WIND RIVER RANGE \$ 3.95

GRAND CANYON TREKS. Harvey Butchart. A guide to inner Canyon routes. . . . \$ 1.95

ROUTES AND ROCKS. Crowder & Tabor. An excellent hiker's guide to the North Cascades. Illustrations and maps. . . . \$ 5.00

SIERRA NEVADA PLACE NAMES GUIDE. Denison and Winnet. An index to the U.S.G.S. topographic maps in the High Sierra. . . . \$ 1.25

. . . . \$ 2.50

EXPLORING THE OLYMPIC PENINSULA. Ruth Kirk. History, natural history, roads and trails. . . . \$ 2.50

A GUIDEBOOK TO THE MOJAVE DESERT. Russ Leadabrand. Includes Death Valley, Joshua Tree Nat'l Monument, and Antelope Valley. . . \$ 1.95

A GUIDEBOOK TO THE SAN BERNARDINO MOUNTAINS. Russ Leadabrand. Includes Lake Arrowhead and Big Bear. . . . \$ 1.75

A GUIDEBOOK TO THE SAN GABRIEL MOUNTAINS. Russ Leadabrand. . . . \$ 1.50

A GUIDEBOOK TO THE SUNSET RANGES OF SOUTHERN CALIFORNIA. Russ Leadabrand. The San Jacinto Mountains, Santa Ana Mountains, and mountains of San Diego County. . . . \$ 1.50

ROADS AND TRAILS OF OLYMPIC NATIONAL PARK. Frederick Leissler. Complete trail descriptions, folded index, photos, maps, and section maps. Revised edition. . . . \$ 1.95

100 NORTHERN CALIFORNIA HIKING TRAILS. Lowe. Covers the Klamath Mountains, Trinity Alps, Lassen Peak area, Lake Tahoe region and Yosemite National Park. Photos and maps of each route. . . . \$ 5.95

100 HIKES IN WESTERN WASHINGTON. Louise Marshall. Maps, descriptions, and many photographs. . . . \$ 4.95

CAMPING AND CLIMBING IN BAJA. John Robinson. History, climbing, hiking and fisherman's guide in a compact book with maps and a selected bibliography. . . . \$ 2.95

NATIONAL PARK GUIDES. Edited by Robert Scharff with the cooperation of the National Park Service. History, wildlife, trails and accommodations. . . . \$ 1.95

GLACIER & WATERTON LAKES NAT'L PARKS. Scharff. . . . \$ 1.95

GRAND CANYON. Scharff. . . . \$ 1.95

YOSEMITE NATIONAL PARK. Scharff. . . . \$ 1.95

DEEPEST VALLEY. Genny Schumacher. The history, geology, wildlife, plant life, trails, etc., of the eastern Sierra and the Owens Valley. . . \$ 3.95

SIERRA NORTH. Schwenke & Winnett. Back-country trips in the Sierra, Desolation Valley to Mono Creek. Includes a last-minute checklist, extensive trip descriptions, maps, trip profiles, and a cross reference table. Revised edition with 26 new trips. Color photos. . . . \$ 4.95

SIERRA SOUTH. Schwenke & Winnett. Companion volume to *Sierra North*. 100 trips, Mono Creek to southern Sequoia Nat'l Park. . . \$ 2.95

GUIDE TO THE JOHN MUIR TRAIL. Walter Starr Jr. Latest edition of the Sierra Club guide to the trail system of the High Sierra, complete with separate map. . . . \$ 2.00

48 BOOKS

TRIPS AND TRAILS. Volume I: Camps, Short Hikes, and Viewpoints in the North Cascades and Olympics. Volume II: Camps, Short Hikes and View Roads in the South Cascades and Mt. Rainier. E.M. Sterling. Many maps and illustrations. Special emphasis on family camping. ea. vol. \$4.95

CLIMBING MOUNT WHITNEY. Wheelock & Condon. Mt. Whitney Trail, other trails, rockclimbers' routes, etc. Five maps. . . . \$ 1.00

THE TAHOE-YOSEMITE TRAIL. Robert Wood. A comprehensive guide to the 180 miles of trail between Meeks Bay at Lake Tahoe and Yosemite Park's Tuolumne Meadows. \$ 2.95

DESOLATION WILDERNESS. Robert Wood. A guide to 200 miles of trail and 139 trout streams and lakes in the Sierra. . . . \$ 3.95

ILLUSTRATED GUIDE TO SEQUOIA AND KINGS CANYON NATIONAL PARKS. White & Pusateri. Trails, roads, plant and animal life, numerous photographs and maps. . . . \$ 1.70

with maps and photographs. **OLYMPIC NATIONAL PARK.** A guide to the monument and techniques, and numerous photos. The definitive guide to this area. . . . \$ 6.95

CAMP & TRAIL TECHNIQUE

FREE FOR THE EATING. Bradford Angier. A cookbook showing how to find and feast on 100 wild plants. Over 300 recipes for delicious and wholesome use of wild fruit, greens, roots and tubers, nuts, and beverages. . . . \$ 4.95

HOW TO STAY ALIVE IN THE WOODS. Bradford Angier. A complete paperback edition of Angier's popular manual of wilderness lore *Living off the Country*. . . . \$.95

WILDERNESS COOKERY. Bradford Angier. Includes many recipes for outdoor cookery, and a large section dealing with "free eating," listing hundreds of wild fruits and vegetables. . . . \$ 1.95

HORSES, HITCHES, AND ROCKY TRAILS. Joe Back. A collector's item, this book was written and illustrated by an artist who is also a professional packer with the wit and savvy of the traditional pioneer. . . . \$ 4.00

THE WILDERNESS HANDBOOK. Brower. A paperback version of the Sierra Club classic *Going Light with Backpack or Burro*. A guide to mountain travel for the beginner with much to interest the "old hand." . . . \$.95

FOOD FOR KNAPSACKERS. Hasse Bunnelle. Fully revised Sierra Club guide to menu planning, cooking procedures and equipment choices. . . . \$ 1.95

LIGHTWEIGHT CAMPING EQUIPMENT AND HOW TO MAKE IT. Cunningham & Hanson. Materials, patterns and sewing, packs, sleeping bags, and more. Including high altitude camping. An encyclopedia of living in the open, and an invaluable guide for the novice as well as the experienced woodsman. Many illustrations. . . . \$ 6.95

BE EXPERT WITH MAP AND COMPASS. Bjorn Kjellstrom. Clear and complete instructions on the use of maps and compasses. . . . \$ 2.95

BACKPACK COOKERY. Ruth Mendenhall. Written by a well-known climber and backpacker, this volume covers planning, purchasing, packing and preparation of backpack foods. Concise, simple, and complete. \$ 1.00

BACKPACK TECHNIQUES. Ruth Mendenhall. Boots, tents, packframes, clothing, blisters, sunburn, altitude sickness, loafing, and sun-basking. . . . \$ 1.00

KNAPSACKING EQUIPMENT. Jim Water, ed. A Sierra Club guide to selecting equipment with emphasis on "going light." . . . \$.75

SOURDOUGH JACK'S COOKERY AND OTHER THINGS. Sourdough Jack Mabey. A collection of legends, anecdotes, old wives' tales, recipes for sourdough pancakes and breadstuffs, including a passel of western food Americana gathered from cattlemen, authors, and prospectors across the American West. 1970 revised and enlarged edition. Includes packet of sourdough starter. . . . \$ 4.00

CLIMBERS GUIDES

ALPINE CLUB OF ENGLAND SERIES:
BERNESE ALPS \$ 3.50
BERNINA ALPS \$ 3.50
GLACIA WEST \$ 3.50
ENGELHORN AND SCHIJEN \$ 3.75
GRAIANS WEST \$ 5.50
MARITIME ALPS \$ 5.00
MONT BLANC VOL. I . . . \$ 7.50
MONT BLANC VOL. II . . \$ 5.75
ORTLER ALPS \$ 5.00
PENNINE ALPS VOL. I . . \$ 7.50
PENNINE ALPS VOL. II . . \$ 5.50

HIGH OVER BOULDER. Ament and McCarty. A guide to the fantastically rich climbing area surrounding Boulder, Colorado. Photos and route diagrams. . . . \$ 5.50

CLIMBER'S GUIDE TO OREGON. Nicholas Dodge. Routes, drawings, and photos. . . . \$ 3.95

CLIMBER'S GUIDE TO GLACIER NATIONAL PARK. J. Gordon Edwards. Complete route coverage. 48 pages of photographs. . . . \$ 4.75

GUIDE TO THE SANDIA MOUNTAINS. Lawrence G. Kline. Trail and route descriptions, Maps and photos. . . . \$ 1.75

GUIDE TO THE COLORADO MOUNTAINS. Robert Ormes, ed. Based primarily on the hundreds of climbing records of the Colorado Mountain Club. Color and black and white photos. Maps. . . . \$ 6.00

CLIMBER'S GUIDE TO THE TETONS. Leigh Ortenburger. Routes for the entire Teton range. Short, factual history of mountaineering in the Tetons. . . . \$ 6.00

CLIMBER'S GUIDE TO PINNACLES NATIONAL MONUMENT. Steve Roper. Maps and route descriptions. . . . \$ 2.75

CLIMBER'S GUIDE TO YOSEMITE VALLEY. Steve Roper. Completely revised, adding 200 new routes since the 1964 edition for a total of 482. Flexible cover and removable pages. Route photos. . . . \$ 6.95

CLIMBER'S GUIDE TO THE ROCKY MOUNTAINS OF CANADA. J. Monroe Thorington. An American Alpine Club publication. . . . \$ 6.00

CLIMBER'S GUIDE TO THE HIGH SIERRA. Hervey Voge. Revised edition. Illustrated. . . . \$ 5.95

DESERT PEAKS GUIDE. Walt Wheelock. Mono, White, Inyo, Coso and . . . \$ 1.00

CLIMBING TECHNIQUE

MOUNTAINEERING. Alan Blackshaw. Hill-walking to alpine climbing. Approved by the British Mountaineering Association. Fully illustrated. . . . \$ 3.75

MOUNTAINEERING HANDBOOK. Casewit & Pownall. Where and how to learn to climb on rock and ice. 60 action photographs illustrating techniques and hardware. . . . \$ 5.95

BASIC MOUNTAINEERING. Henry Mandolf, ed. Excellent guide for the beginner and useful to the more experienced outdoorsman. Equipment selection, cooking, first aid, snow climbing, glacier travel, desert travel, alpine rescue, other related topics. . . \$ 2.50

FUNDAMENTALS OF ROCK CLIMBING. MIT Outing Club. Informative and useful manual for beginners and experts. . . . \$ 2.00

ON SNOW AND ROCK. Gaston Rebuffat. An outstanding book of mountaineering technique by one of the foremost authorities, illustrated with step-by-step photos of advanced and artificial technique. 285 excellent photos, several in full color. An exceptional value for the photography alone. . . . \$12.50

BASIC ROCKCRAFT. Royal Robbins. Ropes, knots, climbing gear, belays, grips and holds are discussed by this well-known climber and founder of the Rockcraft School of Rock Climbing. Many photos and drawings. . . . \$ 1.95

MOUNTAINEERING—THE FREEDOM OF THE HILLS. Seattle Mountaineers. The most complete text on mountaineering technique and mountain environment now available. A paragon of climbing topics includes the weather. Illustrated. . . . \$ 7.50

KNOTS FOR MOUNTAINEERING. Phil D. Smith. Over fifty standard knots for climbing and rescue work. Illustrated. . . . \$ 1.00

MODERN MOUNTAINEERING. Showell Styles. General climbing instruction with a detailed explanation of artificial climbing methods and a chapter on accidents and remedies. . . . \$ 3.00

ROPES, KNOTS, AND SLINGS FOR CLIMBERS. Walt Wheelock. Descriptions of equipment, rope strengths, care of rope, knots, slings, etc. \$ 1.00

MEDICAL AND SURVIVAL

HOW TO SURVIVE ON LAND AND SEA. F. & J. Craighead. Text, photographs, and line drawings. Survival techniques, wild plant and animal food, orientation, shelter, hazards. Published by the U.S. Naval Institute. \$ 4.50

MOUNTAINEERING MEDICINE. F. T. Darvill, M.D., Skagit Mountain Rescue Unit. \$ 1.00

MOUNTAIN SEARCH AND RESCUE OPERATIONS. Practical information by the Grand Teton Nat'l Park rescue team. \$ 1.35

THE BOOK OF SURVIVAL. Anthony Greenbank. An extremely practical survival manual and one of the funniest books we've ever catalogued. As well as detailed instructions for a very wide range of emergency situations, Mr. Greenbank presents valuable tips on approaching alien spacecraft and dealing with hostile natives. Excellent drawings. Highly recommended. \$ 5.95

THE ABC OF AVALANCHE SAFETY. E. R. LaChapelle. Compact handbook discussing the technical considerations of understanding and predicting avalanches, general safety rules, rescue procedures, and suggested equipment for touring. Excellent appendix with case histories. . \$.90

HYPOTHERMIA: KILLER OF THE UNPREPARED. Theodore G. Lathrope, M.D. \$.90

MOUNTAIN RESCUE TECHNIQUES. Wastl Mariner. Divided into sections on winter and summer rescue techniques. Over 100 drawings and diagrams. First aid outline. .. \$ 3.50

THE SURVIVAL BOOK. Nesbitt, Pond & Allen. A thorough examination of survival requirements with special concentration on the more exotic regions—desert, jungle poles and sea. Many charts, photos, and drawings. \$ 1.95

FROSTBITE. Bradford Washburn. Brief but useful reprint from the 1962 American Alpine Journal. \$ 1.00

MEDICINE FOR MOUNTAINEERING. James Wilkerson, ed. A complete manual of first aid techniques and emergency medical procedures, prepared by a group of climber-physicians with experience from Everest and K-2 to the Northwest Wilderness. Detailed instructions and illustrations. \$ 7.50

SKIING

NORDIC TOURING AND CROSS-COUNTRY SKIING. Michael Brady. Spells out the essentials of technique, equipment, and waxing as practiced in Norway for racing and touring. Excellent diagrams and sequence drawings and the only complete waxing table in print. \$ 2.25

MANUAL OF SKI MOUNTAINEERING. ed. by David Brower for the Sierra Club. A new edition of the famous handbook. Equipment, shelter, snow formation and avalanches, first aid, ice climbing, and many related topics are discussed fully in this most essential of ski mountaineering texts. Illustrated. \$.95

THE CROSS-COUNTRY SKI BOOK. John Caldwell. Technique for stride and poling over varied terrain, equipment, laying a course, waxing, tips for outings with the family. Fully illustrated with photographs. \$ 2.95

COMPLETE CROSS-COUNTRY SKIING AND SKI TOURING. Lederer and Wilson. From beginning to advanced technique. One of the most complete and easily used books on cross-country skiing. Thoroughly illustrated. \$ 3.50

HOW TO SKI THE NEW FRENCH WAY. Joubert and Vuarnet. A complete course of ski instruction based on the most advanced techniques of today's champions, such as Guy Perillat, the Goitschel sisters, and Jean-Claude Killy. \$ 5.95

THE OFFICIAL AMERICAN SKI TECHNIQUE. Professional Ski Instructors of America. The definitive exposition of ski technique as taught in the United States. Third edition. \$ 8.95



photo/Leonard Sussman

BOATING—CANOEING

SAILING FOR BEGINNERS. Moulton H. Farnham. Everything you need to know to sail a small boat safely under all conditions; how to judge the wind, making sail, steering, useful knots, anchoring, rules of the road, charts and piloting, equipment, maintenance, how to buy a boat—all described clearly, with over 200 illustrations. \$ 8.95

CANOE CAMPING. Carle Handel. A comprehensive guide to wilderness travel by water. Illustrated. .. \$ 5.50

POLE, PADDLE AND PORTAGE. Bill Riviere. Possibly the best, the fullest guide to canoeing on the market. By a man who has loved canoeing all his life and knows as much as anyone about this ancient North American sport. Techniques of canoeing, canoe safety and a guide to North American canoeing waters. \$ 6.95

CANOEING COMPLETE. Skilling and Sutcliffe, eds. A group of professionals discuss all aspects of canoeing and kayaking from design and building to racing. Of value to the novice or the serious competitor. \$ 6.00

WHITE-WATER SPORT. Peter Whitney. Running rapids in kayak and canoe for beginners and advanced boatmen. Chapters on choosing equipment, understanding the river, racing, organized cruising, and safety. \$ 6.00

JOURNALS

AMERICAN ALPINE JOURNAL. Current issue \$ 5.00

CANADIAN ALPINE JOURNAL. Current issue \$ 3.00

ACCIDENTS IN AMERICAN MOUNTAINEERING. Annual report of the American Alpine Club safety committee. Current issue \$.75

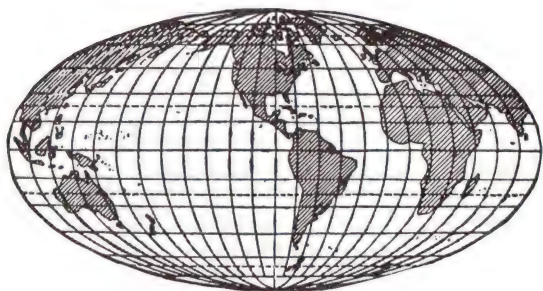
Some back issues of the above journals still available.

ASCENT 1971: The Mountaineering Journal of the Sierra Club. Expanded to 56 pages this year. Includes articles on Australian climbing ("Climbing Down-Under"), climbing in Hetch Hetchy ("Yosemite's Other Valley"), climbs on the Orkney Isles and fictional pieces by H. G. Wells and Tejada Flores \$ 3.00

ASCENT-1970 \$ 2.50

ASCENT-1969 \$ 2.50

MAPS



Orders for less than five maps will be shipped with maps folded. Five or more maps will be shipped rolled in a mailing tube.

U.S.G.S. MAPS OF NATIONAL PARKS

Bryce Canyon	\$ 1.00
Glacier Park	\$ 1.00
Grand Canyon	\$ 1.50
Grand Teton	\$ 1.50
Mt. McKinley	\$.75
Mt. Rainier	\$.50
Lassen	\$.50
Rocky Mtn. Park	\$ 1.00
Sequoia/Kings Canyon	\$ 1.00
Yellowstone	\$ 1.00
Yosemite National Park	\$ 1.00
Yosemite Valley	\$ 1.00
Zion (Kolob Section)	\$ 1.00
Zion (Zion Canyon)	\$ 1.50

MOUNT TAMALPAIS TRAIL MAP

\$.65

MOUNT MCKINLEY MAP. An extremely precise topographical shaded relief map representing many years of careful survey and research. Printed by the Swiss Federal Institute of Topography

\$ 2.00

CLEAR CONTACT PLASTIC FOR MAPS.

Transparent plastic sheeting with adhesive on one side. Will protect maps against damage from water or wear. Remove paper backing from plastic sheet and apply to map surface with slight pressure. Gross weight with backing: 4 oz. per yard. 18" wide.

Y100 yard \$.55

MUIR TRAIL MAPS. U.S.G.S. topographical maps covering the John Muir Trail and related areas from Tuolumne Meadows to Whitney Portal. Maps shipped rolled.

Complete Set (including Yosemite Park Map) \$ 6.50

Individual Quads

Tuolumne Meadows	\$.50
Mono Craters	\$.50
Devils Postpile	\$.50
Mt. Morrison	\$.50
Mt. Abbot	\$.50
Blackcap Mtn.	\$.50
Mt. Goddard	\$.50
Big Pine	\$.50
Mt. Pinchot	\$.50
Mt. Whitney	\$.50
Lone Pine	\$.50

CANADIAN TOPOGRAPHICAL MAPS

8204 .. Banff, East	\$ 1.00
8205 .. Banff, West	\$ 1.00
82N8 .. Lake Louise E/W	\$ 1.75
MCR211 Waterton Lakes	\$ 1.00
82N/SE Yoho	\$ 1.00
82N/NE Mistaya	\$ 1.00
82N/SW Glacier Park	\$ 1.00
1K Southwest B.C.	\$ 1.00
93D Bella Coola	\$ 1.00
92K Butte Inlet	\$ 1.00
92N Mt. Waddington	\$ 1.00
92M Rivers Inlet	\$ 1.00
115B/D St. Elias	\$ 1.00
MCR204 Jasper Park N.	\$ 1.00
MCR205 Jasper Park S.	\$ 1.00

MAP CASES. Clear plastic pouch with slide closure.

G206/1216 .. 12" x 16"	\$.70
G206/913 .. 9 1/2" x 13"	\$.60
G206/811 .. 8" x 11"	\$.45



a LENSATIC COMPASS. Engineer's type compass with sighting device for taking azimuth readings. Small magnifying glass gives degree reading off compass face while sighting. Inexpensive, sturdy and lightweight.

J307 wt. 2 oz. \$ 3.00

b SILVA RANGER. Lighting mirror for speed and accuracy. Sapphire jewel bearing. Highly magnetized needle encased in liquid. Luminous points. Waterproof. Appraised by many as the world's best hand compass. Used by surveyors and scientific explorers. Size 4" x 2 1/2" x 3/4".

J303 wt. 5 oz. \$15.00

c SILVA HUNTSMAN. Sapphire jewel bearing. Liquid filled housing stops needle oscillation within 4 seconds. Luminous points. Waterproof. Closed cover serves as sun dial; open cover shows 360° graduations. Safety pin fastener attached. 1 1/2" x 2" x 3/8".

J300 wt. 1 oz. \$ 6.50

d SILVA PROSPECTOR. Luminous points. Sapphire jewel bearing. Waterproof. Graduated 0° to 360°. Liquid filled housing is fitted into a drawer. Declination can be set off for any area. Closed size 2-5/8" x 1-7/8" x 13/16".

J302 wt. 4 oz. \$15.00

e SILVA EXPLORER III. Sapphire jewel bearing. Liquid filled housing stops oscillation within 4 seconds. Waterproof. Professional quality. Especially for use with maps. Size 2-1/8" x 2-15/16" x 1/2".

J301 wt. 1 1/2 oz. \$ 6.00

f MAP MEASURER. Direct reading: no conversion charts needed for any standard domestic maps. 1:62500, 1:31680 and 1:24000 scale maps can be read simply by running the little wheel over the distance to be measured; mileage will appear directly on the dial. Reverse dial for other scales. Precision made. 2-7/8" long. Nickel plated.

J201 wt. 1 oz. \$ 3.00

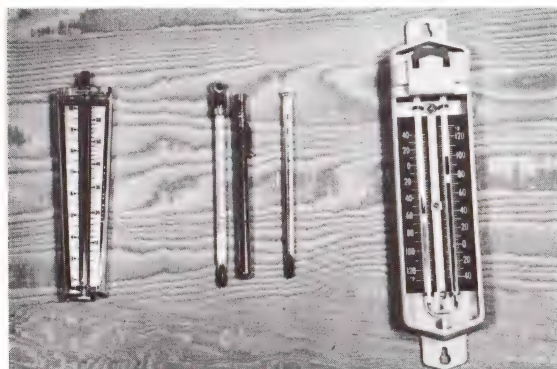


NEW HAVEN PEDOMETER. Registers up to 100 miles. Has clip for fastening directly to belt. 90-day factory guarantee against all defects in material and workmanship. Polished nickel chrome finish.

J202 wt. 3 oz. \$ 8.00

THOMMENS HIGH ALTITUDE ALTIMETER. Reads up to 21,000 feet with accuracy of about 30 feet within the entire range. Compensated for temperature changes. Instrument has a barometric scale with a range of 22.5" to 31" of mercury. Comes in leather case. Size 2-7/8" x 2 1/2" x 7/8".

J203 wt. 3 oz. \$63.00



WIND METER. Accuracy of 1/2 mile/hr. on low scale and 3 miles/hr. on high scale. Dual range scale reads from 0 to 60 miles/hr. Precision die molded of acrylic plastic. Size: 8" x 3" x 1/2".

J204 wt. 2 1/2 oz. \$ 6.00

THERMOMETER. Ideal for mountaineers and campers. Range of -30° F. to 130° F. Comes in a metal case 6 1/4" long, 3/8" diameter (about pencil size) with pocket clip and carrying ring.

J205 wt. 1 1/2 oz. \$ 3.50

GLASS STEM REPLACEMENT TUBE for above thermometer.

J205/R \$ 2.75

MAX-MIN THERMOMETER. Has a range from -30° F. to 130° F. This instrument will record the lowest temperature and the highest temperature from the time of its last setting. Easy to reset. Small size: 2-3/8" x 10 1/2" x 1 1/4".

J206 wt. 6 oz. \$13.00

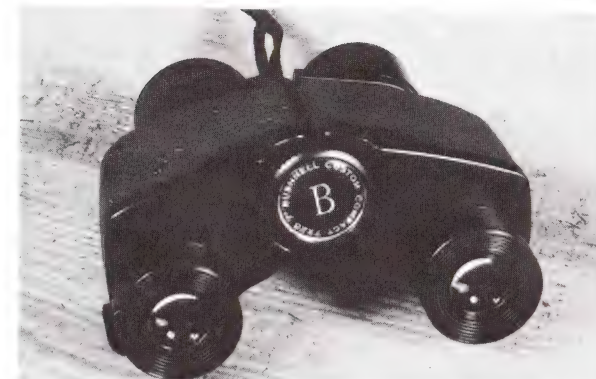
BUSHNELL CUSTOM COMPACT BINOCULARS. Selected by NASA scientists for use in Gemini space flights, this is the finest compact binocular we have ever seen. Three inches high and weighing only 11 ounces, the Custom Compact easily fits into jacket or shirt pocket. Featuring superb optics, rugged construction and extendable eye cups that give a full field of vision with or without glasses. Clarity and brilliance are unsurpassed. Comes in soft zippered carrying case of top-grade black cowhide. Twenty-year factory warranty on parts and service. Center focus.

6 x 25 — 6 times magnification. Field of view at 1,000 yards: 420'.

J405 wt. 11 oz. \$69.50

7 x 26 — 7 times magnification. Field of view at 1,000 yards: 368'.

J406 wt. 11 oz. \$74.50



BUSHNELL 7 x 18 PRISMATIC BINOCULARS. For those who go light: mountaineers, backpackers or light-weight travelers. Bushnell quality throughout. Center focus. Feather-light, palm/pocket size. 7 times magnification. Includes soft leather carrying case. Bushnell 20-year factory warranty.

J403 wt. 6 oz. \$29.50



BUSHNELL MONOCULAR. A small (3 1/2") prismatic scope made to Bushnell standards of precision and quality. Fully coated lenses and prisms project crisp, brilliant, distortion-free views. Comes with two readily interchangeable lenses: 8 power, 24 mm, wide view lens gives a 437' viewing circle at 1,000 yards; 6 power, 18 mm, extra-wide view lens gives a 577' viewing circle (equal to widest angle binoculars) at 1,000 yards. Either lens may be used alone as a magnifying glass. Soft, zippered carrying case, wrist strap, and protective lens caps are included. Five-year factory warranty.

J401 wt. 4 oz. \$19.95



ALARM WRIST WATCH. Swiss made. Sweep second hand. Stainless steel case. 17 jewels. Antimagnetic incabloc. Unbreakable mainspring. Buzz alarm will run for 15 seconds. Leather wrist band. Watch size 1-3/8" diameter x 3/8". One-year factory guarantee.

J105 wt. 1 1/2 oz. 55.00





TRAILWISE KNAPSACK. Popular low-priced knapsack of water-repellent canvas. Two outside zipper pockets. Main flap is held closed by a bag snap. Measures 6" x 14" x 16". Adjustable waist and shoulder straps. Colors: red, green, sage.

R600 wt. 18 oz. \$ 6.50

JUNIOR KNAPSACK. An inexpensive children's pack. This small knapsack (11" x 12") has a patch pocket located on the outside under flap. Adjustable waist and shoulder straps. Water-repellent canvas. Colors: red, green, sage.

R601 wt. 9 oz. \$ 3.50



SAC MILLET MODEL 365. A lightweight rucksack for day trips. Urethane-coated nylon with reinforced seams. Rigid contoured back panel with steel bow and nylon band at bottom. Nylon waist band and padded shoulder straps. Sack measures 5" x 13" x 18". Zippered back pocket. Colors: red or blue.

R311 wt. 27 oz. \$17.50



SAC MILLET MODEL 370. Heavy water-repellent cotton canvas with suede leather bottom. Frame is rigid contoured back panel extending height of pack, crossed at bottom by steel bow and nylon band. Reinforced at tension points. Nylon waist band and padded nylon shoulder straps. Main sack measures 6" x 16" x 25". Inside back pocket. Accessory straps and patches for carrying skis. Inner and outer flap pockets. Accessory straps for ice axe, crampons, rope, etc. Blue canvas with grey leather.

R310 wt. 4 3/4 lbs. \$32.50

R310/p Detachable side pockets as in photo pr. \$ 6.50



KELTY PACKS feature a lightweight frame of welded aluminum. Padded shoulder straps. Two 5" wide back bands maintain clearance. Upper band is nylon mesh, lower band has padded section. 2" nylon waist strap with quick-release buckle. Bag fastens to frame with clevis pins and attaching wires. Small frame fits persons under 5' 3"; medium fits 5' 3" to 5' 7"; large fits 5' 7" to 6' and x-large fits 6' and over. Kelty packbags are made of Zelan-treated nylon for water repellency and come in four sizes corresponding to frame size: small—16" x 14" x 8"; medium—18" x 14" x 8"; large—20" x 15" x 9"; and x-large—22" x 15" x 9".

Model A-4. Popular 3/4-length bag divided into upper and lower sections. Upper section is again divided into three vertical compartments. Four outer pockets. Metal zippers. Does not include stuffbag. Sizes: S, M, L, XL. Color: green.

R503 ,
(bag and frame) ave. wt. 57 oz. \$53.00

Model B-4. Same dimensions as Model A-4, but without partitions for those who prefer an open-style packbag. Does not include stuffbag. Sizes: S, M, L, XL. Color: green.

R502
(bag and frame) ave. wt. 55 oz. \$48.00

KELTY STUFFBAGS are sold separately and are made of the same material as the Kelty packbags.

R510 9" x 17" wt. 3 1/2 oz. . \$ 4.00

R511 10" x 18" . wt. 4 oz. . \$ 4.00

R512 11" x 19" wt. 4 1/2 oz. . \$ 4.00

KELTY PACK RAIN COVER. A waterproof nylon cover that fits over pack to provide rain protection. Specify frame and bag size.

R513 wt. 4 oz. \$ 5.00

KELTY FRAME EXTENSION. Adds 6" to frame height. Specify frame size.

R514 wt. 6 oz. \$ 3.85

KELTY ACCESSORY STRAPS. 5/8" wide nylon with buckle.

R5153 36" . wt. 1 1/2 oz. . pr. \$.85

R5154 42" . wt. 2 oz. . pr. \$.90

CRUISER FRAME. Low cost aluminum contoured frame with welded joints. Padded, nylon-covered shoulder straps. Two 5" wide nylon back bands. Drilled for mounting Cruiser bags.

Medium (for those under 5' 5")

R400/m ... wt. 26 oz. \$13.50

Large (for those over 5' 5")

R400/l ... wt. 28 oz. \$13.50

CRUISER RIDGELINE PACKBAG.

Made of water-repellent cotton duck. Three outside pockets. Sockets and straps for mounting on Cruiser frame. Color: tan.

Medium (17½" x 14" x 7")

R401/m ... wt. 18 oz. \$12.50

Large (21" x 14" x 7")

R401/l ... wt. 20 oz. \$12.50

CRUISER SKYLINE PACKBAG.

Made of waterproof urethane-coated nylon. Bag is divided into upper and lower compartments. Five outside pockets with zipper closures. Spreader bar. Map pocket. Pin mounts to Cruiser frame. Colors: green or orange.

Medium (18" x 15" x 7")

R402/m ... wt. 22 oz. \$28.25

Large (22" x 15" x 7")

R402/l ... wt. 24 oz. \$28.25

CRUISER WAIST STRAPS.

R403 ... wt. 3 oz. \$ 2.00



ALP SPORT ROCK CLIMBER

STANDARD. This teardrop-shaped pack is 16" high, and divided into upper and lower compartments. 6" x 12" leather bottom. Capacity 10 to 15 lbs. Ice axe carrier, two accessory strap holders on the bottom, nylon hauling loop and waist strap. Urethane-coated waterproof nylon. Colors: orange or turf.

R201 ... wt. 24 oz. \$18.00

ALP SPORT ROCK CLIMBER

SPECIAL. The same shape and design as the Standard, but on a larger scale. 18" high, with a 7" x 14" bottom. Designed to carry 20 to 25 lbs.—nearly twice the capacity of the Standard. Colors: orange or turf.

R202 ... wt. 25 oz. \$20.00

ALP SPORT DAY PACKS. Same design and size as the Rock Climber models except that they do not have leather bottoms. Colors: orange or turf.

R206—Jr. ... wt. 14 oz. \$13.00

R207—Sr. ... wt. 15 oz. \$14.50

ALP SPORT EIGER STANDARD. An ideal rucksack for weekend trips and extended rock climbs. Removable aluminum stays can be bent to conform to the wearer's back. 7" x 14" leather bottom, height 19". Capacity 30 to 35 lbs. Two side pockets and large pocket in flap covered with nylon zippers. Ice axe carrier, two accessory strap holders, nylon hauling handle, waistband. Material is urethane-coated nylon duck. Colors: orange or turf.

R203 ... wt. 37 oz. \$29.00

ALP SPORT SKI-MOUNTAINEERING PACK. Identical to the Eiger Standard, with the addition of leather-reinforced ski carrying slots.

R204 ... wt. 40 oz. \$32.50

TRAILWISE PACK FRAME ACCESSORIES

TRAILWISE PADDED WAIST BELT. Deluxe full circle waist belt is nylon web, padded with Ensolite, and covered with nylon duck. The most effective and comfortable waist belt made. Specify waist size.

R109/m for small and medium frames wt. 4½ oz. \$ 5.00
R109/l for large frames wt. 5 oz. \$ 5.00

TRAILWISE SHOULDER YOKE. Crossover straps to fit Trailwise contour frame. All nylon with Ensolite padding. Two-way adjustment for perfect fit. Tabler buckles allow effortless adjustment of straps, even when wearing pack.

R102 wt. 8 oz. \$ 8.00

NYLON MESH BACK. Strong gauge nylon mesh. Grommets installed along edges and corners for lacing to frame. Lace included.

R104/s 11" x 15" wt. 3½ oz. \$ 6.00
R104/m 11" x 17" wt. 3½ oz. \$ 6.00
R104/l 12½" x 19½" wt. 4½ oz. \$ 6.00

SUPPORT TUBE. U-shaped aluminum tube used to keep tops of Trailwise pack bags open. Specify medium or large.

R105 wt. 2 oz. \$ 1.75

CLEVIS PINS. 1¼" long. Includes keeper ring.

R110 pr. \$.35

ALUMINUM EYE BOLTS. For attaching pack bags to Trailwise frames.

R111 ea. \$.10

ELASTIC SHOCK CORD LOOP. For attaching stuffsack to frame.

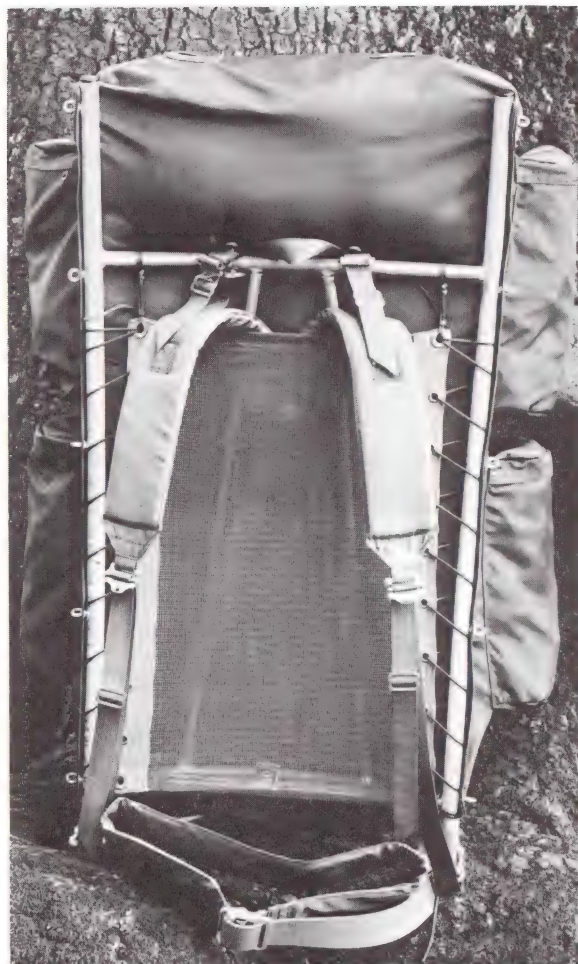
R112 1½ oz. \$.50

TRAILWISE HEAVY DUTY STUFF BAG. Made of waterproof urethane-coated nylon duck, as used in Trailwise packs. Size 8" x 17". Colors: blue or brown.

R121 wt. 5 oz. \$ 3.50

PLASTIC CAPS. Fit frame ends.

R106 wt. ½ oz. \$.05



TRAILWISE CONTOUR FRAME. Rugged aluminum alloy; contour plus taper. Features adjustable, Ensolite-padded cross straps which give excellent weight distribution, reducing the localized pressure on shoulders inherent in all ordinary shoulder strap suspensions. Full nylon mesh back further distributes weight and allows maximum air circulation between pack and wearer. Full circle padded waist belt comfortably transfers most of weight to hips when desired. Nylon hauling strap securely fastened to frame. Riv-nuts placed on sides of frame for mounting Trailwise pack bags.

R101/s (small) wt. 35 oz. \$28.50

R101/m (medium) wt. 37 oz. \$28.50

R101/l (large) wt. 40 oz. \$28.50

(Small frame fits persons from 5' to 5' 6", medium from 5' 6" to 5' 11", large 5' 11" and over.)



TRAILWISE PACK BAG MODEL 72. Single spacious sack, roomy enough to hold all your gear for an extended outing. Side mounted. Made of waterproof heavy-duty urethane-coated nylon duck. Five outer pockets with covered nylon zippers. Aluminum tube holds top of bag open for easy access. Large size measures 17" x 29" x 8". Medium and small sizes approximately 1" smaller. Total volume for large size is 4429 cu. in. Colors: blue, brown or orange.

R172/s (small frame only) wt. 22 oz. \$26.00

R172/m (medium frame only) wt. 23 oz. 26.00

R172/l (large frame only) wt. 25 oz. 26.00

TRAILWISE PACK BAG 72 MOUNTED ON TRAILWISE CONTOUR FRAME.

R172/X (Specify size) ave. wt. 61 oz. \$53.00

TRAILWISE PACKFRAMES AND BAGS

Trailwise packframes are designed and constructed with comfort, durability and lightness as the foremost considerations.

A packframe that is comfortable to wear is the result of (1) a well contoured and shaped frame and packbag that place the load as close to the body as is practical, (2) a padded suspension system that allows the majority of the load weight to be placed directly on the hips, and (3) a full mesh back panel, originated by Trailwise, which distributes weight and allows maximum air circulation between pack and wearer.

The Trailwise contour frame shapes the load around the back and extends the effective carrying area of the back, both in width and in height.

The Trailwise frame is constructed of a non-corrosive, aluminum alloy thick-wall tubing. All parts of the frame contribute to its structural strength because there are no loose or unwelded parts. Every joint is heli-arc welded. The Trailwise packbag is attached to the frame with aluminum and steel eyebolts and aluminum Rivnuts. This combination of eyebolt and Rivnut attachment has a strength advantage over the usual clevis pin and wire attachment in that the frame need only be drilled from one side, plus the Rivnut helps to reinforce this hole. The eyebolts can be used as lashing points.

The three-quarter length packbags can be mounted in either a high or a low position on the frame depending on where the center of gravity of the load is desired. The high position is used for maximum loads on a relatively smooth trail, and the low position is used for climbing or for rough terrain where balance becomes an important consideration. Both the full length packbag and the three-quarter length packbags extend the full width of the frame.

PACKFRAME ADJUSTING INSTRUCTIONS

The following steps should be taken when adjusting the suspension system of the Trailwise packframe:

- Step 1: The padded hip belt should encircle the hips below the waist and on the flare of the hips and buttocks. Belt placement can be assisted by leaning forward slightly and hunching up the packframe with the back and shoulders until the belt is in the proper position. Cinch up the belt.
- Step 2: Release the slide fasteners on the yoke back straps. Move the yoke assembly forward or backward to that point where the tabs connected to the yoke are slightly forward of the center of the shoulders. Reset the slide fasteners. This adjustment need only be made on the initial fitting of the packframe.
- Step 3: Pull down on the clevis straps until pressure from the yoke is felt on the top of the shoulders.
- Step 4: Pull forward on the yoke tabs to bring the mesh back panel up snug against the back.
- Step 5: Release the clevis straps slightly. This should allow the packframe to settle down on the hips.



TRAILWISE PACK BAG MODEL 73. Three-quarter length undivided sack. Center of gravity may be raised or lowered by changing position of sack on frame. Fully equipped with 8" x 17" waterproof sack for sleeping bag and 4 nylon accessory straps. Large side pockets measure 2½" x 6" x 18" with vertical nylon zipper. Large bag measures 8" x 16" x 21½" with a total capacity of 3476 cu. in. (including pockets). Made of heavy-duty urethane-coated nylon duck. Colors: blue, brown or orange.

R173/s (small frame only) wt. 24 oz. \$26.00
 R173/m (medium frame only) wt. 25 oz. \$26.00
 R173/l (large frame only) wt. 28 oz. \$26.00

TRAILWISE PACK BAG 73 MOUNTED ON TRAILWISE CONTOUR FRAME.

R173/X (Specify size) ave. wt. 62½ oz. \$53.00



TRAILWISE PACK BAG MODEL 74. Three-quarter length sack divided into upper and lower compartments. 6" lower compartment is accessible through 17" wide zippered opening. Side mounted. Center of gravity may be raised or lowered by changing position of sack on frame. Sleeping bag is carried in heavy-duty 8" x 17" waterproof stuff bag and mounted either above or below main sack. Two outer pockets with covered nylon zippers measure 3" x 6" x 11". Large size bag measures 8" x 16" x 21½" with a total capacity of 3022 cu. in. Made of heavy-duty urethane-coated nylon duck. Colors: blue, brown or orange.

R174/s (small frame only) wt. 23 oz. \$26.00
 R174/m (medium frame only) wt. 24 oz. \$26.00
 R174/l (large frame only) wt. 26 oz. \$26.00

TRAILWISE PACK BAG 74 MOUNTED ON TRAILWISE CONTOUR FRAME.

R174/X (Specify size) ave. wt. 62 oz. \$53.00



GERRY KIDDIE PACK. Deluxe "featherfloat" suspension with padded shoulder yoke extending padding completely across shoulders. Tubular aluminum cantilever frame. Carrying sack of washable duck. Seat height is adjustable with

storage space underneath. Waist safety strap holds infant securely. Wide backband transmits part of load to hips. For babies 4 months to 3 years. Color: blue.
R811 wt. 24 oz. \$16.00

TRAILWISE STUFF BAGS. Made of lightweight coated waterproof nylon. Drawcord closure with nylon slide lock.

R120/46	4" x 6"	wt. 1 oz. \$ 1.25
R120/510	5" x 10"	wt. 1½ oz.	.. \$ 1.40
R120/711	7" x 11"	wt. 2 oz. \$ 1.50
R120/718	7" x 18"	wt. 2¼ oz.	.. \$ 1.95
R120/722	7" x 22"	wt. 2½ oz.	.. \$ 2.50
R120/918	9" x 18"	wt. 2½ oz.	.. \$ 2.50
R120/921	9" x 21"	wt. 2¾ oz.	.. \$ 2.75
R120/1121	11" x 21"	wt. 3 oz. \$ 3.00



TRAILWISE SKIER'S BELT BAG. Made of urethane-coated nylon duck, with adjustable belt of nylon web. Contoured to fit the body. Nylon zipper. A handy bag for camera, lunch, wax, goggles, etc. Size 12½" x 4½". Colors: blue or brown.

R118 wt. 6 oz. \$ 6.95

TRAILWISE NYLON BELT POUCH. A convenient and easily accessible pouch for snacks, glasses, first aid material, etc. Made of waterproof nylon duck. Nylon zipper and belt loops. Size 4½" x 7½" x 2". Colors: blue or brown.

R113 wt. 2 oz. \$ 3.50

TRAILWISE NYLON ZIPPER DUFFLE. Strong and light. Full length nylon zipper. Urethane-coated nylon duck with wrap-around nylon web handles. Nylon web handles on both ends. Size 14" x 30". Colors: blue or brown.

R119 wt. 16 oz. \$14.50

DUFFLE BAG. Inexpensive bag, ideal for river trips or travel in wet country. Made of rubberized cotton fabric, with sealed seams. Drawcord closure. Round bottom. Size 15" x 30".

R605 wt. 17 oz. \$ 1.75

TRAILWISE SHOULDER PADS. 3/8" Ensolite: firm, comfortable padding covered with nylon duck. For straps up to 2¼" wide. Pads are 10" long.

R107 wt. 2 oz. ... pr. \$ 2.50



the ski hut 1615 university ave., berkeley, calif. 94703

Phone: (415) 843-6505.

ORDERED BY:

Name (please print) _____

MASTER CHARGE ONLY:

Master Charge card number

(DO NOT SEND CARD)

Address

4-digit number above name

City _____ State _____ Zip _____

“Good Thru” date and letter code

SHIP TO: _____
Name _____

SHIP TO:

Name _____

TELEPHONE ORDERS:

Address

24 hour telephone ordering service. During off-store hours your order will be recorded for processing the following day. Prepare your order before calling. **BE COMPLETE!** Telephone orders will be shipped C.O.D. Our ordering desk cannot accept collect calls. Phone (415) 843-6505.

City _____ State _____ Zip _____

State Zip

[illegible]

IMPORTANT! READ BEFORE SEALING ORDER

1. **PRE-PAID.** Full remittance must accompany order. FOREIGN ORDERS PAYABLE IN U.S. FUNDS.
2. **SHIPPING.** Postage calculated on shipping weight which includes actual weight of merchandise plus packing materials. Add 1 lb. to cover packing materials.
50c for Special Handling
75c for Special Delivery
85c per lb. for Air Mail

OVERSIZED PARCELS. Skis, some poles, some snowshoes, Klepper boats, etc., will be shipped REA Express collect.

FOREIGN SHIPMENTS will be billed at International Parcel Post rates.

3. **C.O.D.** Do not send remittance with order. Cash payments made to your postman on delivery for cost of merchandise plus C.O.D. charges. Out of stock items will be cancelled. **NO C.O.D. UNDER \$5.00.**

4. **MASTER CHARGE.** Fill in appropriate blanks on order form. Do not send card. Out of stock items will be cancelled.
5. **TELEPHONE ORDERS.** Recorded 24 hours per day. Shipped C.O.D. Phone: (415) 843-6505.

6. **OUT OF STOCK ITEMS.** Will be backordered for a maximum of 60 days unless cancellation specifically stated. (Except Master Charge and C.O.D. orders.)

***5½% Sales Tax in Alameda, Contra Costa and San Francisco counties.**

RETURN ITEMS within 30 days if not completely satisfied.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

THE SKI HUT SELLS ONLY PRODUCTS OF THE FINEST WORKMANSHIP. YOUR SATISFACTION IS GUARANTEED.



MOUNTAIN TRAVEL (USA)

6201 MEDAU PLACE • OAKLAND, CA. 94611 • (415) 339-8310

creative wilderness exploration to many countries of the world:
Kashmir, Nepal Himalaya, Persia, New Guinea, Cordillera Blanca (Peru),
East Africa, Himachal Himalaya (India), Hoggar (Sahara), New Zealand,
Galapagos Islands, French Alps and Iceland. also: Mt. McKinley, the Volcanoes
of Mexico and raft trips down the Colorado River. our trips are limited to 15 to 20
persons and are designed for the hearty, vigorous and adventuresome individual who likes to
rough it and who wishes to share in a truly exciting adventure in wild places.

48 page illustrated brochure is available on request (see coupon at opposite end of this sheet).

Our wilderness continues to diminish, and not only the quality, but the very continuance of life is at stake. We of The Ski Hut staff urge you to support the organizations listed below in preserving our environment. They know who the spoilers are and how to direct the battle. Stand up and be counted—join those who are fighting to save what is left.

California Tomorrow, Monadnock Building, 681 Market St., San Francisco, Calif. 94105
 Colorado Open Space Council, Inc., 5850 E. Jewell, Denver, Colo. 80222
 Defenders of Wildlife, 2000 "N" St., N.W., Suite 201, Washington, D.C. 20036
 Friends of Animals, Inc., 11 W. 60th St., New York, N.Y. 10023
 Friends of the Earth, 451 Pacific Ave., San Francisco, Calif. 94133
 The Izaak Walton League of America, 1326 Waukegan Rd., Glenview, Ill. 60025
 National Audubon Society, 1130 Fifth Ave., New York, N.Y. 10028
 National Parks Association, 1701 E. ghteenth St., N.W., Washington, D.C. 20009
 National Wildlife Federation, 1412 Sixteenth St., Washington, D.C. 20009
 Planned Parenthood-World Population, 810 Seventh Ave., New York, N.Y. 10019
 Outward Bound, Inc., Andover, Mass. 01810
 Rocky Mountain Center on Environment, 580 E. Jewell, Denver, Colo. 80222
 Sierra Club, 220 Bush St., San Francisco, Calif. 94104
 Wilderness Society, 729 Fifteenth St., N.W., Washington, D.C. 20005
 World Wildlife Fund, 901 Seventeenth St., N.W., Washington, D.C. 20005
 Zero Population Growth, Inc., Los Altos, Calif. 94022

The Ski Hut staff wishes you the best in outdoor experience this year.

George Rudolf
 Peter Noone
 Alfred Smith
 Arthur Kuller

Steve Homo
 John Slouber
 Larry Bouett
 Carol Huffstutler

Diane Ritch
 Jan Thornton
 Frances Osburn
 Gwen Breslauer

Store Hours

June 1 — August 31

Monday, Tuesday,	9 — 9
Wednesday, Thursday	9 — 6
Friday, Saturday	12 — 4
Sunday	

September 1 — May 31

Monday, Tuesday, Wednesday,	9:30 — 6
Friday, Saturday	9:30 — 9
Thursday	



IMPORTANT! READ BEFORE SEALING ORDER

- 1. PRE-PAID.** Full remittance must accompany order. FOREIGN ORDERS PAYABLE IN U.S. FUNDS.
- 2. SHIPPING.** Postage calculated on shipping weight which includes actual weight of merchandise plus packing materials. Add 1 lb. to cover packing materials
 50c for Special Handling
 75c for Special Delivery
 85c per lb. for Air Mail
OVERSIZED PARCELS. Skis, some poles, some snowshoes, Klepper boats, etc., will be shipped REA Express collect.
FOREIGN SHIPMENTS will be billed at International Parcel Post rates.
- 3. C.O.D.** Do not send remittance with order. Cash payments made to your postman on delivery for cost of merchandise plus C.O.D. charges. Out of stock items will be cancelled. NO C.O.D. UNDER \$5.00.
- 4. MASTER CHARGE.** Fill in appropriate blanks on order form. Do not send card. Out of stock items will be cancelled.
- 5. TELEPHONE ORDERS.** Recorded 24 hours per day. Shipped C.O.D. Phone: (415) 843-6505.
- 6. OUT OF STOCK ITEMS.** Will be backordered for a maximum of 60 days unless cancellation specifically stated. (Except Master Charge and C.O.D. orders.)

RETURN ITEMS WITHIN 30 DAYS IF NOT COMPLETELY SATISFIED.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

the ski hut 1615 university ave., berkeley, calif. 94703

the ski hut
1615 university ave.
berkeley, calif.
94703

BULK RATE
U.S. POSTAGE
PAID
Berkeley, California
Permit No. 338

Return postage guaranteed
Address Correction Requested

